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NOTICE OF PROPOSED RULES

1) Heading of the Part: Americans With Disabilities Act Grievance Procedure

2) Code Citation: 4 Ill. Adm. Code 1125

3) Section Numbers:

1125.10	Proposed Action:
New Section	
1125.20	New Section
1125.30	New Section
1125.40	New Section
1125.50	New Section
1125.60	New Section
1125.70	New Section

4) Statutory Authority: This rule-making implements Title II, Subtitle A, of the Americans With Disabilities Act of 1990 (42 U.S.C. 12131 - 12134), and the regulations promulgated thereunder (28 CFR 35.107), and is authorized by Section 2-12 (a) of the Illinois State Auditing Act (Ill. Rev. Stat. 1991, ch. 15, par. 302-12) (30 ILCS 5/2-12).

5) A Complete Description of the Subjects and Issues Involved: As required by the Americans With Disabilities Act of 1990, these proposed rules establish a procedure whereby qualified persons with disabilities may resolve allegations of denial of public services or employment on the basis of disability.

6) Will this proposed rule replace an emergency rule currently in effect? No

7) Does this rulemaking contain an automatic repeal date? No

8) Does this proposed rule contain incorporations by reference? No

9) Are there any other proposed amendments pending on this Part? No

10) Statement of Statewide Policy Objectives: These rules will not create, enlarge or modify a State mandate.

11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Written comments may be submitted within 45 days of the publication of this notice to:

Roberta Pape
Office of the Auditor General

NOTICE OF PROPOSED RULES

509 South Sixth Street
Springfield, Illinois 62701
(217) 782-6046

12) Initial Regulatory Flexibility Analysis:

- A) Date rules were submitted to the Business Assistance Office of the Department of Commerce and Community Affairs: This rulemaking does not affect small businesses.
- B) Types of small businesses affected: None
- C) Reporting, bookkeeping or other procedures required for compliance: None
- D) Types of professional skills necessary for compliance: None

The full text of the Proposed Rules begins on the next page.

NOTICE OF PROPOSED RULES
TITLE 4: DISCRIMINATION PROCEDURES
CHAPTER XLII: AUDITOR GENERAL

PART 1125
AMERICANS WITH DISABILITIES ACT GRIEVANCE PROCEDURE

Section	Purpose
1125.10	Definitions
1125.20	Procedure
1125.30	Review at the Designated Coordinator Level
1125.40	Review at the Final Level
1125.50	Accessibility Policy
1125.60	Case-by-Case Resolution
1125.70	

AUTHORITY: Implementing Title II, Subtitle A, of the Americans With Disabilities Act of 1990 (42 U.S.C. 12131 - 12134), and the regulations promulgated thereunder (28 CFR 35.107), and authorized by Section 2-12 (a) of the Illinois State Auditing Act (Ill.Rev.Stat.1991, ch. 15, par. 302-12) (30 ILCS 5/2-12).

SOURCE: Adopted at ____ Ill. Reg. ____, effective ____.

Section 1125.10 Purpose

- a) The Americans With Disabilities Act Grievance Procedure (Procedure) is established pursuant to the Americans With Disabilities Act of 1990 (42 U.S.C. Section 12101 et seq.) ("ADA"), and specifically Section 35.107 of the Title II regulations (28 CFR Part 35), requiring that a grievance procedure be established to resolve grievances asserted by qualified individuals with disabilities. Should any individual desire to review the ADA or its regulations to understand the rights, privileges and remedies afforded by it, please contact the Designated Coordinator.
- b) In general, the ADA requires that each program, service and activity offered by The Office of the Auditor General ("Office"), when viewed in its entirety, be readily accessible to and usable by qualified individuals with disabilities.
- c) It is the intent of the Office to foster open communication with all individuals requesting ready access to programs, services and activities. The Office

NOTICE OF PROPOSED RULES

encourages directors of programs, services and activities to respond to requests for modifications before they become grievances.

Section 1125.20 Definitions

"Complainant" is an individual with a disability who files a grievance form provided by the Office in accordance with this Part.

"Designated Coordinator" is the person appointed by the Auditor General to coordinate the Office's efforts to comply with and carry out its responsibilities under Title II of the ADA, including the investigation of grievances filed by complainants. The Designated Coordinator for the Office is the ADA Coordinator. The ADA Coordinator may be contacted at the Office of the Auditor General, 509 South Sixth Street, Springfield, Illinois 62701 or by telephone at 217/782-6046 (voice), 217/524-4646 (TDD).

"Disability" means, with respect to an individual, a physical or mental impairment that substantially limits one or more of the major life activities of such individual; a record of such impairment; or being regarded as having such an impairment.

"Grievance" is any complaint under the ADA by an individual with a disability who meets the essential eligibility requirements for participation in or receipt of the benefits of a program, activity or service offered by the Office, and who believes she or he has been excluded from participation in or denied the benefits of any program, service or activity of the Office or has been subject to discrimination by the Office on the basis of her or his disability.

"Office" means the Office of the Auditor General.

"Qualified individual with a disability" means an individual with a disability who, with or without reasonable modifications to rules, policies, or practices, the removal of architectural, communication, or transportation barriers, or the provision of auxiliary aids and services, meets the essential eligibility requirements for the receipt of services or the participation in programs or activities provided by the Office.

Section 1125.30 Procedure

- a) Grievances must be submitted through the channels defined below, in the form

NOTICE OF PROPOSED RULES

and manner described, and within the specified time limits. It is mutually desirable and beneficial that grievances be satisfactorily resolved in a prompt manner. Time limits established in this procedure are in calendar days, unless otherwise stated, and may be extended by mutual agreement in writing by the complainant and the reviewer at the Designated Coordinator and Final Levels.

- b) A complainant's failure to submit a grievance, or to submit or appeal it to the next level of procedure within the specified time limits, shall mean that the complainant has withdrawn the grievance or has accepted the last response given by the Office.
- c) Upon being informed by an individual that the individual desires to file a formal grievance, the Office shall provide the individual with a copy of this procedure and the grievance form.
- d) A complainant may use the assistance of an advocate in any stage of the grievance procedure.

Section 1125.40 Review at the Designated Coordinator Level

- a) If an individual desires to file a formal written grievance, the individual shall promptly, but no later than 180 days after the alleged discrimination, submit the grievance to the Designated Coordinator in writing on the prescribed grievance form. The grievance form must be completed in full in order to receive proper consideration by the Designated Coordinator.
- b) Upon request, assistance shall be provided by the Office to complete the grievance form.
- c) The Designated Coordinator, or her or his representative, shall investigate the grievance and shall make reasonable efforts to resolve it. The Designated Coordinator shall provide a written response to the Complainant and the Auditor General within ten (10) business days after receipt of the grievance form.

Section 1125.50 Review at the Final Level

- a) If the grievance has not been resolved at the Designated Coordinator Level to the satisfaction of the complainant, the complainant may submit a copy of the grievance form and the Designated Coordinator's response to the Auditor General for final review within ten (10) days after receipt of the Designated

NOTICE OF PROPOSED RULES

Coordinator's written response. The complainant shall submit these documents to the Auditor General, together with a short written statement explaining the reason(s) for dissatisfaction with the Designated Coordinator's written response. The Auditor General will extend the period for submitting the review request and supporting documents for up to ten (10) additional days upon complainant's request.

- b) The Auditor General shall appoint a three (3) member panel to review the grievance at the Final Level (the "Review Panel"). One member so appointed shall be designated chairperson. The Designated Coordinator, or any representative of the Designated Coordinator, who conducted the investigation at the Designated Coordinator Level, may not be a member of the Review Panel.
- c) The complainant shall be afforded an opportunity to appear before the Review Panel. The Review Panel shall review the Designated Coordinator's written response and may conduct interviews and seek advice as it deems appropriate.
- d) The Review Panel shall approve, disapprove or modify the recommendation of the Designated Coordinator, shall render a decision thereon in writing within thirty (30) days, shall state the basis therefore, and shall cause a copy of the decision to be served on the parties. The Review Panel's decision shall be final. If the Review Panel disapproves or modifies the Designated Coordinator's recommendations, the Review Panel shall include written reasons for such disapproval or modification.
- e) The grievance form, the Designated Coordinator's response, the statement of reasons for dissatisfaction, and the decision of the Review Panel shall be maintained in accordance with the State Records Act (Ill.Rev.Stat.1991, ch. 116, par. 43.4 et seq.) (5 ILCS 160/1 et seq.), or as otherwise required by law.

Section 1125.60 Accessibility Policy

The Office shall ensure that all stages of the grievance procedures are readily accessible to and usable by individuals with disabilities.

Section 1125.70 Case-by-Case Resolution

Each grievance involves a unique set of factors that includes but is not limited to: the specific nature of the disability; the essential eligibility requirements, the benefits to be derived, and the nature of the service, program or activity at issue; the health and safety of others; and whether

AUDITOR GENERAL

NOTICE OF PROPOSED RULES

or not an accommodation would constitute a fundamental alteration to the program, service or activity or undue hardship on the Office. Accordingly, termination of a grievance at any level, whether through the granting of relief or otherwise, shall not constitute a precedent on which any other complainants should rely.

ILLINOIS COMMUNITY DEVELOPMENT FINANCE CORPORATION

NOTICE OF PROPOSED RULES

1) Heading of the Part: By-laws

2) Code Citation: 47 Ill. Adm. Code 700

3) Section Numbers:

700.100	<u>Proposed Action:</u>
700.110	New section
700.200	New section
700.205	New section
700.207	New section
700.209	New section
700.211	New section
700.213	New section
700.220	New section
700.221	New section
700.223	New section
700.224	New section
700.225	New section
700.226	New section
700.227	New section
700.228	New section
700.250	New section
700.252	New section
700.260	New section
700.265	New section
700.270	New section
700.275	New section
700.280	New section

4) Statutory Authority: The Illinois Community Development Finance Corporation Act [315 ILCS 15/1 *et seq.*].

5) A complete description of the subjects and issues involved: These rules constitute the by-laws of the Illinois Community Development Finance Corporation and provide for the authority of the Board, officers, meetings, and other operational issues.

6) Will this proposed rule replace an emergency rule currently in effect? NO

7) Does this rulemaking contain an automatic repeal date? NO

8) Does this proposed rule contain incorporations by reference? NO

9) Are there any other proposed amendments to this part? NO

10) Statement of Statewide Policy Objectives: This proposed rule does not create or expand any mandate on any unit of local government.

ILLINOIS COMMUNITY DEVELOPMENT FINANCE CORPORATION

NOTICE OF PROPOSED RULES

- 11) Time, place and manner in which interested persons may comment on this proposed rulemaking:

Comments may be directed to

Matt Berns, Secretary-Treasurer
Community Development Finance Corporation
State of Illinois Center, Suite 15-600
100 West Randolph Street
Chicago, IL 60601
Phone (312) 814-2976.

- 12) Initial Regulatory Flexibility Analysis: These proposed rules do not impact small business.

The full text of the proposed rules begins on the next page:

ILLINOIS COMMUNITY DEVELOPMENT FINANCE CORPORATION

NOTICE OF PROPOSED RULES

TITLE 47: HOUSING AND COMMUNITY DEVELOPMENT
CHAPTER V: ILLINOIS COMMUNITY DEVELOPMENT FINANCE CORPORATION

PART 700
BY-LAWS

Section	Legislation Controlling
700.100	Location of Principal and Other Offices of the Corporation
700.110	General Powers, Election of Directors, Term of Office, Qualifications and Vacancies
700.200	Chairman and Vice Chairman
700.205	Meetings
700.207	Quorum and Voting
700.209	Resignation
700.211	Committees
700.213	Officers
700.220	Election, Term of Office, and Qualifications
700.221	Removal
700.223	Resignations
700.224	Vacancies
700.225	Chairman of the Board
700.226	The President
700.227	The Secretary-Treasurer
700.228	Execution of Instruments Generally
700.250	Checks, Drafts, etc.
700.252	Intercompany Dealings
700.260	Seal
700.265	Reliance on Records and Reports
700.270	Amendments
700.275	Indemnification of Directors, Officers, and Employees
700.280	

AUTHORITY: Authorized by resolution of the Board of Directors of the Illinois Community Development Finance Corporation pursuant to the Illinois Community Development Finance Corporation Act (315 ILCS 15/1 *et seq.*).

SOURCE: Adopted at 17 Ill. Reg. _____, effective _____, 1993.

Section 700.100 Legislation Controlling

These By-Laws, the powers of the Corporation and of its Directors, Stockholders, and all matters concerning the conduct and regulation of the business of the Corporation shall be subject to the provisions of Chapter 315, Act 15 of the Illinois Compiled Statutes, as amended

NOTICE OF PROPOSED RULES

Section 700.210 Location of Principal and Other Offices of the Corporation

The location of the principal office of the Corporation shall be in Chicago, Illinois. The Corporation may have offices within the State of Illinois at such other places as shall be determined from time to time by the Board of Directors.

Section 700.200 General Powers, Election of Directors, Term of Office, Qualifications and Vacancies

All corporate powers of the Corporation shall be exercised by the Board of Directors, as provided in the Act. The Board of Directors shall have the responsibility and authority to appoint all necessary Board Committees and Officer Committees to provide for prudent management and oversight of the corporation. Each Director shall hold office until their successors are appointed, as provided for in the Act.

Section 700.205 Chairman and Vice Chairman

The Board of Directors shall elect one of its Board members as Vice-Chairman of such Board. At all meetings of the Board of Directors, the Chairman of the Board, or his designee, shall preside or, in the absence of the Chairman and his designee, the Vice Chairman of the Board shall preside.

Section 700.210 Meetings

Meetings of the Board of Directors shall be held at such place within the State of Illinois as may from time to time be fixed by resolution of the Board or as may be specified in the call of any meeting. Regular meetings of the Board of directors shall be held at such times as may from time to time be fixed by resolution of the Board, and special meetings may be held at any time upon the call of any three Directors, or of the Chairman by oral, facsimile, or written notice duly served on or sent or mailed to each Director not less than two days before such meeting. The notice of any meeting need not specify the purpose thereof. A meeting of the Board may be held without notice immediately after the annual meeting of Members and stockholders at the same place at which such meeting was held. Notice need not be given of regular meetings of the Board held at any time if all the Directors are present or if those not present waive notice of the meeting, in writing, or facsimile, or cable, either before or after the meeting.

Section 700.209 Quorum and Voting

A majority of the Directors then holding such office shall constitute a quorum for the transaction of any business. Directors may participate in any meeting through the use of a conference telephone or similar communications equipment by means of which all persons participating can hear each other, and such participation in a meeting shall constitute presence in person at the meeting. At any meeting of the Board of Directors, if there shall be less than a quorum present, a majority of those present may adjourn the meeting from time to time until a quorum shall be obtained.

When a quorum is present at any meeting of the Board of Directors, the vote of a majority of the voting Directors then holding such office shall be the act of the Board and shall decide any question properly brought before such meeting. Each voting Director shall have one vote in all such

ILLINOIS COMMUNITY DEVELOPMENT FINANCE CORPORATION

NOTICE OF PROPOSED RULES

Section 700.210

Section 700.211

Any Director may resign at any time by giving written notice of such resignation, either to the Board of Directors, the President or the Secretary-Treasurer of the Corporation. Unless otherwise specified therein, such resignation shall take effect upon receipt thereof by the Board of Directors or by such Officer.

Section 700.213 Committees

In its discretion, the Board of Directors may appoint an Executive Committee and one or more other committees, which, to the extent of the authority conferred by the resolutions appointing them, may exercise any of the powers of the Board of Directors, including the power to authorize the seal of the Corporation to be affixed to all papers which may require it. In its discretion, the Board of Directors may appoint one or more Officer Committees which the Board deems necessary or appropriate for the prudent management and oversight of the Corporation, which, to the extent of the authority conferred by the resolutions appointing them, shall have and may exercise any of the powers of the Board of Directors. Unless the Board of Directors provides otherwise in the resolutions appointing any such committee, a committee of two members may act only by unanimous vote of such members; any such committee composed of more than two members may act by the vote of a majority of its members, and any such committee may fix the time and place of its meetings. The Board of Directors shall have power at any time to fill vacancies in, to change the membership of, or to dissolve, any such committee.

Section 700.220 Officers

The Officers of the Corporation shall be a President and such other Officers as may be appointed in accordance with the provisions of Section 700.221 of this Part. Any two offices but not more than two, may be held by the same person.

Section 700.221 Election, Term of Office, and Qualifications

Each Officer specifically designated in Section 700.220 of this Part shall be elected by the Board of Directors, and shall hold his office until his successors shall have been elected and qualified or until his death or until he shall resign or shall have been removed in the manner provided in Section 700.223 of this Part.

Section 700.222 Subordinate Officers

The Board of Directors from time to time may appoint or authorize the President to appoint, other Officers or Agents, which of whom shall hold office for such period, have such authority and perform such duties as are provided in these By-Laws or as the Board of Directors (or the President in the case of Officers and Agents appointed by him) from time to time may determine. The President may appoint any such subordinate Officers or Agents, fix their term of office, and prescribe their respective authorities and duties.

Section 700.223 Removal

ILLINOIS COMMUNITY DEVELOPMENT FINANCE CORPORATION

NOTICE OF PROPOSED RULES

Any Officer may be removed at any time either with or without cause by the vote of a majority of the total number of Directors then in office, and any Officer or Agent appointed by the President may be removed at any time by the President with or without cause.

Section 700.224 Resignations

Any Officer may resign at any time by giving written notice of such resignation to the Board of Directors or to the President of the Corporation. Unless otherwise specified therein, such resignation shall take effect upon receipt thereof by the Board of Directors or by the President.

Section 700.225 Vacancies

A vacancy in any office because of death, resignation, removal, disqualification or any other cause shall be filled for the unexpired portion of the term in the manner prescribed by the By-Laws for the regular election to such office.

Section 700.226 Chairman of the Board

The Chairman of the Board shall preside at all meetings of the Board and shall perform such other duties as shall be assigned from time to time by the Board.

Section 700.227 The President

The President shall be the Chief Executive Officer of the Corporation, and, subject to the control of the Board of directors, shall have general charge of the business, affairs, and property of the Corporation, and control over its Officers. The President shall do and perform all such other duties and may exercise such other powers as from time to time may be assigned to him by these By-Laws or by the Board of Directors. The Officers of the Corporation shall be responsible to the President for the proper and faithful discharge of their several duties, and shall make such reports to him as he may from time to time require.

Section 700.228 The Secretary-Treasurer

The Secretary-Treasurer shall

- (a) Keep a certified copy of the Articles and these By-Laws with marginal references to the By-Laws.
- (b) Keep the minutes of the meetings of the Stockholders and the Board of Directors, and cause the same to be recorded in the book provided for that purpose;
- (c) Prepare, or cause to be prepared, and deal with any list of stockholders;
- (d) See that all notices are duly given in accordance with the provisions of these By-Laws or as required by statute.
- (e) Be custodian of the records of the Corporation and the Board of Directors and of the seal of the Corporation; see that the seal is affixed to any and all stock certificates

ILLINOIS COMMUNITY DEVELOPMENT FINANCE CORPORATION

NOTICE OF PROPOSED RULES

prior to their issuance and to all documents the execution of which on behalf of the Corporation Under its seal shall have been duly authorized, and attest the seal when so affixed;

- (f) See that all books, reports, statements, certificates and other documents and records required by law to be kept or filed are properly kept or filed;
- (g) Have supervision over the funds including the borrowing thereof, the securities, receipts and disbursements of the Corporation;
- (h) Cause all moneys and other valuable effects to be deposited in the name and to the credit of the Corporation, in such banks or trust companies or with such bankers or other depositories as shall be selected by a majority vote of the Board of Directors, exclusive of any Director who is an Officer or Director of the depository so designed;
- (i) Cause the funds of the Corporation to be disbursed by checks or drafts upon the authorized depositories of the Corporation;
- (j) Cause to be taken and preserved proper vouchers for all moneys disbursed;
- (k) Cause to be kept correct books of the account of all the business and transactions of the Corporation;
- (l) Render to the President or the Board of Directors, whenever requested, an account of the financial condition of the Corporation and of his transactions as Treasurer;
- (m) Be empowered, from time to time, to require from the Officers or Agents of the Corporation reports or statements giving such information as he may desire with respect to any and all financial transactions of the Corporation; and
- (n) In general, perform all duties and have all powers incident to the office of Secretary-Treasurer and perform such other duties and have such other powers as from time to time may be assigned to him by these By-Laws or by the Board of Directors or by the President.

At the request of the Secretary-Treasurer or in his absence or disability, a duly appointed Assistant Secretary-Treasurer, shall perform any of the duties of the Secretary-Treasurer and, when so acting, shall have all the powers of, and be subject to all the restrictions upon the Secretary-Treasurer. Except where by law the signature of the Secretary-Treasurer is required, any duly appointed Assistant Secretary-Treasurers shall possess the same power as the Secretary-Treasurer to sign all certificates, contracts, obligations, and other instruments of the Corporation.

Section 700.250 Execution of Instruments Generally

All documents, instruments or writing of any nature shall be signed, executed, verified, acknowledged and delivered by such Officers, Agents or Employees of the Corporation, or any one of them, and in such manner, as from time to time may be determined by the Board of Directors.

ILLINOIS COMMUNITY DEVELOPMENT FINANCE CORPORATION

NOTICE OF PROPOSED RULES

All notes, drafts, acceptances, checks, endorsements, and all evidences of indebtedness of the Corporation whatsoever, shall be signed by such Officers, Agents or Employees of the Corporation as any one of them, and in such manner, as from time to time may be determined by the Board of Directors. Endorsements for deposit to the credit of the Corporation in any of its duly authorized depositories shall be made in such manner as the Board of Directors from time to time may determine.

Section 700.260 Intercompany Dealings

The Corporation shall not, however, make loans directly or indirectly to any Director or Officer of the Corporation or to any firm or corporation in which such Director or Officer, or any member of the immediate family of any such Director or Officer owns in excess of a ten percent interest, or otherwise controls, directly or indirectly. Any Director or Officer knowingly approving any loan in violation of this section shall be personally liable, for the amount thereof and such approval shall be presumed unless the dissent of such Director or Officer is noted upon the records of the Corporation.

 Secretary of the Corporation Seal

The Seal of the Corporation shall, subject to alteration by the Board of Directors, consist of a flat-faced circular die with the words "Illinois Community Development Finance Corporation," cut or engraved thereon. In lieu of the corporate seal, when so authorized by the Board of Directors, a facsimile of such corporate seal may be impressed or affixed or reproduced.

Section 700.270 Reliance on Records and Reports

Each Director, Officer, or Member of any committee designated by, or by authority of the Board of Directors shall, in the performance of his duties, be fully protected in relying in good faith upon the books of account or other records of the Corporation or upon reports made to the Corporation by any official of the Corporation or by an independent certified public accountant or by an appraiser selected with reasonable care by the Board of Directors or by any such committee.

ILLINOIS COMMUNITY DEVELOPMENT FINANCE CORPORATION

NOTICE OF PROPOSED RULES

 Secretary of the Corporation

The By-Laws of the Corporation may be amended, added to or repealed at any meeting of the Board of Directors provided that notice of the proposed change is given in the notice of the meeting and provided further that if any By-Law regulating an impending election of Directors is adopted or amended or repealed by the Board of Directors, there shall be set forth in the notice of the next meeting for the election of Directors the By-Law so adopted or amended or repealed together with a concise statement of the changes made.

Section 700.280 Indemnification of Directors, Officers, and Employees

Each Director, Officer, and Employee of the Corporation (and his heirs, executors, and administrators) shall be indemnified by the Corporation against any costs, expenses (including attorneys' fees), and liabilities reasonably incurred by or imposed upon him in connection with any action, suit or proceeding, or any appeal therein, to which he may be made a party by reason of his being, or having been, a Director, Officer, or Employee of the Corporation, or of any other Corporation which he serves or has served as Director, Officer, or Employee at the request of the Corporation (whether or not he continues to be a Director, Officer, or Employee of the Corporation or such other corporation at the time such action, suit or proceeding is brought), except with respect to matters as to which he shall be finally adjudged in such action, suit or proceeding to be liable for willful, intentional or bad-faith misconduct in the performance of his duties as such Director, Officer, or Employee.

Each such person shall be indemnified by the Corporation, to the extent permitted by law, (i) against any costs and expenses (including attorney's fees) reasonably incurred in connection with any such action, suit or proceeding with any such action, suit or proceeding with which he shall be threatened and (ii) against any reasonable amounts he shall pay in settlement of any such action, suit or proceeding, or by the settlement, as to which the Corporation is advised by counsel that in the opinion of counsel such Director, Officer, or Employee would not, in the absence of such settlement, have been held liable for willful, intentional or bad-faith misconduct in the performance of his duties as a Director, Officer, or Employee.

The foregoing rights of indemnification shall be in addition to any rights to which any Director, Officer, or Employee may otherwise be entitled. The word "Director" as used in this Part shall be deemed to include a Director performing duties as a member of the Executive Committee or other committee of the Board of Directors.

DEPARTMENT OF CONSERVATION

NOTICE OF PROPOSED AMENDMENTS

- 1) HEADING OF THE PART: Dove Hunting
- 2) CODE CITATION: 17 Ill. Adm. Code 730
- 3) SECTION NUMBERS:
730.10
730.20
730.30
- PROPOSED ACTION:
Amendments
Amendments
- 4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 1.13, 2.1, 2.2, 2.18, 2.20 and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 1.13, 2.1, 2.2, 2.18, 2.20 and 3.5) [520 ILCS 5/1.2, 5/1.3, 5/1.4, 5/1.13, 5/2.1, 5/2.2, 5/2.18, 5/2.20 and 5/3.5].
- 5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
Amendments to this Part include changing statewide hunting hours from 12 noon to sunrise, modifying site-specific regulations and adding/deleting sites open to dove hunting.
- 6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No
- 7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No
- 8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No
- 9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART?
No
- 10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.
- 11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:
- Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787
- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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DEPARTMENT OF CONSERVATION

NOTICE OF PROPOSED AMENDMENTS

TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 730
DOVE HUNTING

Section
730.10
730.20
730.30

Statewide Regulations
Regulations at Various Department-Owned or -Managed Sites
Youth and Youth/Adult Dove Hunts at Various
Department-Owned or -Managed Sites

AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 1.13, 2.1, 2.2, 2.18, 2.20 and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 1.13, 2.1, 2.2, 2.18, 2.20 and 3.5) [520 ILCS 5/1.2, 5/1.3, 5/1.4, 5/1.13, 5/2.1, 5/2.2, 5/2.18, 5/2.20 and 5/3.5].

SOURCE: Adopted at 5 Ill. Reg. 8792, effective August 25, 1981; codified at 5 Ill. Reg. 10644; amended at 6 Ill. Reg. 9631, effective July 21, 1982; emergency amendment at 6 Ill. Reg. 10040, effective August 2, 1982; amended at 7 Ill. Reg. 10767, effective August 24, 1983; emergency amendment at 7 Ill. Reg. 10999, effective August 24, 1983, for a maximum of 150 days; amended at 8 Ill. Reg. 13680, effective July 25, 1984, amended at 9 Ill. Reg. 11601, effective July 16, 1985; emergency amendment at 9 Ill. Reg. 14025, effective September 4, 1985, for a maximum of 150 days; amended at 10 Ill. Reg. 15590, effective September 16, 1986; amended at 11 Ill. Reg. 9526, effective May 5, 1987; amended at 11 Ill. Reg. 11346, effective June 10, 1987; amended at 12 Ill. Reg. 12186, effective July 15, 1988; amended at 13 Ill. Reg. 10513, effective June 15, 1989; amended at 14 Ill. Reg. 11193, effective June 29, 1990; amended at 15 Ill. Reg. 9951, effective June 24, 1991; amended at 16 Ill. Reg. 11041, effective June 30, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 730.10 Statewide Regulations

- a) Dove regulations are in accordance with Federal Regulations, unless the regulations in this rule are more restrictive. (50 CFR 20.103, 1990)
- b) Season dates: September 1 - October 30.
- c) Hunting hours: NoonSunrise to sunset.

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d) Daily limit: 15.

e) Possession limit: 30 after the first hunting day.

(Source: Amended at 17 Ill. Reg. _____, effective _____).

Section 730.20 Regulations at Various Department-Owned or -Managed Sites

a) All the regulations in 17 Ill Adm. Code 510 - General Hunting and Trapping apply in this Section, unless this Section is more restrictive.

b) General Regulations

1) Hunters shall use only steel shot size 6 or smaller on the following areas:

Anderson Lake Conservation Area

Banner Marsh Fish and Wildlife Area

Carlyle Lake Wildlife Management Area
(subimpoundments only)

Chain O'Lakes State Park

Hennepin Canal Parkway State Park

Horseshoe Lake Conservation Area (Alexander County)

Kaskaskia River State Fish & Wildlife Area
(designated areas)

Lake Shelbyville Wildlife Management Area
(waterfowl management units only)

Rend Lake Project Lands and Waters

Sanganois Conservation Area

Shabbona State Park

Snake Den Hollow State Fish and Wildlife Area

Ten Mile Creek Fish & Wildlife Area (Eads and

Belle Rive Units (Units I & II))

Union County Refuge Conservation Area

Wayne Fitzgerald State Recreation Area

2) Hunters shall use only shot size 7 1/2, 8 or 9 lead or 6 steel or smaller on all areas, except as noted under subsection (b)(1).

c) Statewide season regulations as provided for in this rule shall apply at the following areas except that hunting hours at all state sites open at 12:00 Noon daily unless otherwise indicated (exceptions are in parentheses):

~~AMAX Leased Lands (5:00 p.m. closing September 1 through Labor Day)~~

Anderson Lake Conservation Area (5:00 p.m. closing September 1 through Labor Day)

Argyle Lake State Park (5:00 p.m. closing September 1 through Labor Day)

Banner Marsh State Fish and Wildlife Area (sunrise opening; Season dates are September 1 - 30; 5:00 p.m.-12:00 Noon closing September 1 through Labor day)

Big Bend Conservation Area (5:00 p.m. closing September 1 through Labor Day)

Big River State Forest (5:00 p.m. September 1 through Labor Day)

Cache River State Natural Area (sunrise opening)

Campbell Pond Wildlife Management Area (5:00 p.m. closing September 1-5; sunrise to sunset thereafter)

Carlyle Lake Lands and Waters - Corps of Engineers managed lands

Carlyle Lake Wildlife Management Area

Chain O'Lakes State Park (Season dates are September 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13,

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~~16, 19, 20~~ only, 5:00 p.m. closing; daily quota filled on first-come, first-serve basis; check in and check out required; all hunting must be done within 10 feet of Department of Conservation (Department or DOC) marked sites; no gun may be carried into dove fields beyond hunting line; guns must be unloaded when walking to and from hunting areas; DOC issued back patch must be worn while hunting)

Chauncey Marsh (sunrise opening; permit required, may be obtained at Red Hills State Park headquarters; no hunting in dedicated Nature Preserve; permits must be returned by 15 February)

Clinton Lake State Park (No hunting within 100 yards of dove management units; in dove management units, ~~sheeting~~ hunting hours end at 5:00 p.m. daily September 1-5 and daily quotas are filled by daily drawings)

Crawford County Conservation Area (5:00 p.m. closing, September 1 - ~~30~~ Labor Day; sunrise to sunset thereafter)

Des Plaines Conservation Area (Season dates are ~~September 6, 12, 13, 19, 20, 26, and 27~~ only Saturdays and Sundays during the month of September following the close of the permit dove season; 5:00 p.m. closing; daily quota filled on first-come, first-serve basis; check in and check out required; all hunting must be done within 10 feet of DOC marked sites; no gun may be carried into dove fields beyond hunting line; guns must be unloaded when walking to and from hunting areas; DOC issued back patch must be worn while hunting)

Dog Island Wildlife Management Area (sunrise opening)

Eldon Hazlet State Park (North of Allen Branch and West of Peppenhurst Branch; 5:00 p.m. closing September 1 - 14; sunrise to sunset thereafter)

Ferne Clyffe State Park (sunrise opening)

Pt. de Chartres State Historic Site (hunting with muzzle-loading shotgun only; sunrise opening)

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Ft. Massac State Park (sunrise opening)

Fox Ridge State Park (Dove Management Units only, September 1 - 3, 5:00 p.m. closing; daily quota filled by drawing at designated units at 11:00 a.m.; after September 3, governed by subsection (d))

Giant City State Park (5:00 p.m. closing September 1 - 5)

Green River State Wildlife Area (Lee County Conservation Area) (Season dates are September 6-30 only)

Hamilton County Conservation Area (5:00 p.m. closing September 1 - ~~7~~ Labor Day; sunrise to sunset thereafter)

Heidecke Lake State Fish and Wildlife Area (Season dates are September 1 - 5, 5:00 p.m. closing; September 6 - 15 statewide ~~hours~~ sunset closing; daily quota filled on first-come, first-serve basis; check in and check out required; all hunting must be done within 10 feet of DOC marked sites; no gun may be carried into dove fields beyond hunting line; guns must be unloaded when walking to and from hunting areas)

Hennepin Canal Parkway State Park (Season dates are September 1-5, 5:00 p.m. closing, and on Saturdays, Sundays and Wednesdays from September 6-30, statewide closing)

Hidden Springs State Forest (Dove management units only, September 1 - 3, 5:00 p.m. closing; daily quota filled by drawing at designated units at 11:00 a.m.; after September 3, governed by subsection (d))

Horseshoe Lake Conservation Area - Alexander County (season dates are September 1 through October 15, 5:00 p.m. closing September 1 - 5; sunrise to sunset thereafter)

Horseshoe Lake State Park - Madison County (Season dates are September 1 - 30, 5:00 p.m. closing; sunset closing thereafter)

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I-24 Area (Season dates are opening day, Wednesdays, Saturdays and Sundays only, 5 p.m. closing)

Iroquois County Conservation Area (5:00 p.m. closing September 1 - 5; daily quota filled by drawing, DOC back patch required; after September 5, statewide hours and seasons apply; hunting permitted only in designated areas; all hunting must be done within 10 feet of DOC marked sites)

Johnson Sauk Trail State Park (Season dates are September 1 - 15, except closed Saturday and Sunday of Labor Day weekend, 5:00 p.m. closing)

Jubilee College State Park (Season dates are September 1 - 21 on Wednesdays, Saturdays, Sundays and holidays, 5:00 p.m. closing)

Kankakee River State Park (Season dates are September 6 - 30, daily quota filled on first-come, first-serve basis; hunters must check in and check out; all hunting must be done within 10 feet of DOC marked sites; no gun may be carried into dove fields beyond hunting line)

Kaskaskia River State Fish and Wildlife Area (Hunting allowed on designated areas on odd number dates only during first week of season then everyday thereafter; 5:00 p.m. closing September 1 - 7; statewide closing thereafter)

Kickapoo State Park (Hunters must check in and check out)

Kidd Lake State Natural Area (sunrise to sunset)

Lake-Kinkaid Lake Fish and Wildlife Area (sunrise opening)

Lake Le-Aqua-Na State Park (Season dates are September 1 - 15; except September 1 through 10 Labor Day, 5:00 p.m. closing)

Lake Shelbyville-Kaskaskia and West Okaw Fish and Wildlife Areas (dove management areas only, September 1 - 3, 5:00 p.m. closing; daily quota filled by drawing at 11:00 a.m. daily; statewide

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regulations apply to the rest of the site except no hunting within 300 yards of dove management areas)

Mackinaw River State Fish and Wildlife Area (season dates are September 6 - 30; 5 p.m. closing)

Marseilles Fish and Wildlife Area (Season dates are September 1 through the 1st Thursday after Labor Day, 5:00 p.m. closing; thereafter open Monday through Thursday only and statewide hours apply)

Marshall State Fish and Wildlife Area

Matthiessen State Park (Season dates are September 1 - 15 only on opening day, holidays, Wednesdays, Saturdays and Sundays; except closed the Saturday and Sunday of Labor Day weekend)

Mazonia State Fish and Wildlife Area (Season dates are September 1 - two weeks before duck season, hunters must check in and check out)

Mermet Lake Conservation Area (Season dates are opening day, Wednesdays, Saturdays and Sundays only, 5:00 p.m. closing; daily hunter quota 30 hunters, filled on a first-come, first-serve basis)

Middle Fork State Fish and Wildlife Area (Hunting permitted in sunflower fields only September 1-15; 5:00 p.m. closing September 1-7, quota filled by daily drawing; sunset closing September 8-15; after September 15 statewide regulations apply to entire site except that in sunflower fields, hunters must maintain a minimum of 20 yard spacing and hunt from field edges at all times)

Mississippi River Pools 16, 17, 18, 21, 22, 24 (sunrise opening)

Mississippi River Pools 25, 26 (at Red's Landing, Rip Rap Landing, Stump Lake, Hadley Landing, Michael and Calhoun Point, 5:00 p.m. closing September 1 - 5; sunrise to sunset thereafter)

Moraine View State Park (5:00 p.m. closing September 1 - 7; daily quota filled on first-come, first-serve basis; after September 7 statewide hours and seasons apply, hunters must check in and

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check out; at all times, hunters must wear DOC issued back patch and hunt in designated areas only)

~~Morrison-Reekwood State Park (Season dates are September 1 - 15 except closed Saturday and Sunday of Labor Day weekend; 5:00 p.m. closing)~~

Mt. Vernon Game Farm (Season dates are September 1 - 30; Wednesdays, Saturdays and Sundays only; 5:00 p.m. closing; hunter quota posted at headquarters; first-come basis; hunters must hunt within ten feet of stakes; no gun may be carried into dove fields beyond hunting line)

Oakford Conservation Area (sunrise opening)

Panther Creek Conservation Area

Pike County Conservation Area (noon - 5:00 p.m. through Labor Day; hunting by staked sites only)

Pyramid State Park (5:00 p.m. closing September 1 - Labor Day; sunrise to sunset thereafter)

Railsplitter State Park (Season dates are September 6 - 30; hunter quota to be filled on a first-come basis; hunters must hunt from within 10 feet of a hunter stake; no shooting except in the direction of the assigned fields)

Ramsey Lake State Park (5:00 p.m. closing September 1 - 30)

Randolph County Conservation Area (5:00 p.m. closing September 1 - 5; sunrise to sunset thereafter)

Red Hills State Park (5:00 p.m. closing September 1 - Labor Day; sunrise to sunset thereafter)

~~Rend Lake Project Lands and Waters (statewide regulations apply, except posted dove management areas close at 5:00 p.m.; after 5:00 p.m., no person may hunt dove within 300 yards of dove management areas sunrise opening)~~

~~Reekwood Creek (Monroe County)~~

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Saline County Conservation Area (5:00 p.m. closing September 1 - 30; sunrise to sunset thereafter)

Sam Dale Lake Conservation Area (5:00 p.m. closing September 1 - Labor Day; sunrise to sunset thereafter)

Sam Parr State Park (5:00 p.m. closing September 1 - 30)

Sand Ridge State Forest (Season dates are September 6 - October 30; sunrise opening)

Sangamon County Conservation Area (sunrise opening)

Sanganois Conservation Area (5:00 p.m. closing September 1 - 5; hunter quota to be filled on a first-come basis)

Sangchris Lake State Park (Season dates are September 6 - 30; hunters must hunt from within 10 feet of a DOC marked stake)

Shabbona State Park (5:00 p.m. closing until Labor Day weekend; Season dates are September 1 - 15 closed Saturday and Sunday of Labor Day weekend)

Shawnee National Forest (sunrise opening)

Siloam Springs State Park (5:00 p.m. closing; hunting by staked hunting sites only)

Silver Springs State Park (Season dates are September 6 - 30; check in and check out required; hunters must hunt planted dove fields only; hunters must hunt within 10 feet of Department marked sites; no gun may be carried into dove fields beyond hunting line; guns must be unloaded when entering and leaving hunting area; no hunting on days designated for National Hunting and Fishing Day activities)

Snake Den Hollow State Fish and Wildlife Area (5:00 p.m. closing through Labor Day; season dates are September 1 - 30)

Stephen A. Forbes State Park (5:00 p.m. closing September 1 - 30)

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Sunspot Mine (Fulton and Schuyler Counties) (5:00 p.m. closing September 1 through Labor Day)

Tapley Woods State Natural Area

Ten Mile Creek State Fish and Wildlife Area (sunrise opening; permit required; areas designated as Refuge are closed to all access during Canada Goose Season only; parking card must be displayed on dashboard of vehicle; permit must be returned by February 15 to the District Wildlife Manager, P.O. Box 313, Olney, IL 62450)

Trail of Tears State Forest (sunrise opening)

Turkey Bluffs State Fish and Wildlife Area (5:00 p.m. closing September 1 - 5; sunrise to sunset thereafter)

Union County Conservation Area (5:00 p.m. closing September 1-5; season dates are September 1 - October 15; 5:00 p.m. closing September 1-5; sunrise to sunset thereafter)

Washington County Conservation Area (sunrise to sunset after September 5)

Wayne Fitzgerald State Recreation Area (5:00 p.m. closing; closed September 1 - 7 Labor Day; 5:00 p.m. closing September 7 - 12; sunrise to sunset thereafter)

Weinberg-King State Park (5:00 p.m. closing through September 14; sunset closing thereafter)

Wildcat Hollow State Forest

Witkowsky State Wildlife Area

- d) Statewide regulations as provided in this part apply at the following sites except that hunting hours at all state sites open at 12:00 Noon daily unless otherwise indicated with (exceptions noted in parentheses). In addition, hunters must obtain a free permit from site office. Permits are not transferable and must be in possession while hunting. The permit must be returned and harvest reported by February 15 or hunter will forfeit hunting privileges for that site for the

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following year.

Eagle Creek State Park (Season dates are September 15 - October 30)

Fox Ridge State Park (does not apply in dove management units as noted in Section 730.20(c))

Hidden Springs State Forest (does not apply in dove management units as noted in Section 730.20(c))

Lake Shelbyville Eagle Creek Wildlife Management Area

e) Permit areas

- 1) Permit season dates shall be September 1 - 5 at the following sites, hunting hours shall be from Noon to 5:00 p.m. (exceptions in parentheses):

Des Plaines Conservation Area (Hunters must hunt assigned fields only and hunt within 10 feet of DOC marked sites; no gun may be carried into dove field beyond shooting line; guns must be unloaded when walking to and from hunting area)

Green River State Wildlife Area (Lee County Conservation Area)

Kankakee River State Park (Hunters must hunt assigned fields only and hunt within 10 feet of DOC marked sites; no gun may be carried into dove field beyond shooting line)

Mackinaw River State Fish and Wildlife Area

Railsplitter State Park (Hunters must hunt assigned fields only and hunt within 10 feet of DOC marked sites; no gun may be carried into dove field beyond shooting line; no shooting except in direction of assigned fields)

Sand Ridge State Forest

Sangchris Lake State Park (Hunters must hunt assigned fields only; field 2 accessible by

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boat only; no gun may be carried onto dove field beyond shooting line; hunters must hunt from within 10 feet of a DOC marked stake or flag)

Silver Springs State Park (Hunters must hunt assigned fields only and hunt within 10 feet of DOC marked sites; no gun may be carried into dove field beyond shooting line; guns must be unloaded when walking to and from hunting area)

2) Permit Applications

Applicants must contact the Department to obtain a permit reservation. Starting dates and methods for making reservations will be publicly announced. Applicants making reservations will be sent confirmation. Up to six reservations, but only one per applicant, may be made. Multiple reservations for the same person will not be accepted and that person will forfeit his right to acquire a reservation for the season.

3) Hunting at these areas is by special permit only for the first five days of the season; thereafter, no permits are required for hunting at these sites. All permits will be issued from Springfield and not from the area.

4) Check-in time for registration shall be between 9:00 a.m. and 11:00 a.m. Openings after 11:00 a.m. will be filled on a first-come basis, or by a daily drawing if there are more stand-by hunters than openings available.

5) All hunters must wear a back patch.

6) Shot size to be used is 7 1/2, 8 or 9 lead or 6 steel or smaller.

7) Each applicant shall apply for only one area and receive one permit per year. An applicant may reapply only if his previous application was unsuccessful.

Amended at 17 Ill. Reg. _____, effective

Section 730.30 Youth and Youth/Adult Dove Hunts at Various Department-Owned or -Managed Sites

a) A one-day Youth Dove Hunt will be held on September 5 4 at the following sites:

Horseshoe Lake State Park

Kankakee River State Park

Ramsey Lake State Park

Sangchris Lake State Park

Silver Springs State Park

Stephen A. Forbes State Park

b) A one-day youth/adult dove hunt will be held on September 5 4, where both the youth and adult will be permitted to hunt at the following sites:

Mackinaw River State Fish and Wildlife Area

Mt. Vernon Game Farm

Sam Parr State Park

c) Hunting hours are from 12:00 p.m. to 5:00 p.m. Check-in time is from 10:00 a.m. to 11:30 a.m.

d) Hunter quota will be announced by public news release. Hunter quota is determined by the formula: one hunter per 10 to 40 huntable acres. Huntable acres are determined by, but not limited to, the biological studies on the number of the species available; the condition, topography, and configuration of the land at the site; and the number of employees available to work at the site.

e) All hunters must have a hunting permit and wear a back patch while hunting. Stand-by permits will be available at the site by lottery drawing if vacancies occur.

f) Applicants must be between the ages of 10 and 15 inclusive, with a valid Illinois hunting license.

g) Each youth must be accompanied by a supervising adult.

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If the hunter does not have a valid Firearm Owner's Identification (F.O.I.D.) Card, the supervising adult is required to have a F.O.I.D. Card. Only one supervising adult in a hunting party is required to have a valid F.O.I.D. Card if the hunters in the hunting party stay under the immediate control (accompany youth hunters at all times) of the supervising adult possessing the valid F.O.I.D. Card. All adult hunters must have a valid F.O.I.D. card.

- h) Applicants must contact the Department to obtain a permit reservation. Starting dates and methods for making reservations will be publicly announced. Applicants making reservations will be sent confirmation. Up to six reservations, but only one per applicant, may be made. Multiple reservations for the same person will not be accepted and that person will forfeit his right to acquire a reservation for the season.

(i) Shot size to be used is 7 1/2, 8 or 9 lead or 6 steel or smaller.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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NOTICE OF PROPOSED AMENDMENTS

- 1) HEADING OF THE PART: Duck, Goose and Coot Hunting

- 2) CODE CITATION: 17 Ill. Adm. Code 590

- 3) SECTION NUMBERS:

590.10
590.20
590.25
590.26
590.30
590.40
590.50
590.60
590.70

PROPOSED ACTION:

Amendments
Amendments
Amendments
Amendments
Amendments
Amendments
New Section

- 4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.1, 2.2, 2.18, 2.19, 2.20, 2.23, 2.33, 3.5, 3.6, 3.7, 3.8, and 3.10 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.3, 1.4, 1.13, 2.1, 2.2, 2.18, 2.19, 2.20, 2.23, 2.33, 3.5, 3.6, 3.7, 3.8, and 3.10) [520 ILCS 5/1.3, 5/1.4, 5/1.13, 5/2.1, 5/2.2, 5/2.18, 5/2.19, 5/2.20, 5/2.23, 5/2.33, 5/3.5, 5/3.6, 5/3.7, 5/3.8, and 5/3.10], and Migratory Bird Hunting (50 CFR 20, effective September 26, 1990).

- 5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
The amendments to this Part extend the hunting hours for geese during the last three days of the season in the Rend Lake Quota Zone, change the dates for the Youth Goose and Duck hunts, open four additional sites to waterfowl hunting and modify site specific hunting regulations.

- 6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? Yes
Section Numbers
590.70
Emergency Action
New Section
Ill. Reg. Citation
17 Ill. Reg. 18851
November 17, 1993

- 7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

- 8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

- 9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART?
No

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10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 590

DUCK, GOOSE AND COOT HUNTING

Section

590.10	Statewide Regulations
590.20	Permit Controlled Department Sites Only - Duck, Goose and Coot Hunting
590.25	Illinois Youth Goose Hunting Permit Requirements
590.26	Illinois Youth Duck Hunting Permit Requirements
590.30	Duck, Goose and Coot General Hunting Regulations on all Department-Owned and -Managed Sites
590.40	Check Station Department Sites Only - Duck, Goose and Coot Hunting
590.50	Non-Check Station Department Sites Only - Duck, Goose and Coot Hunting
590.60	Various Other Department Sites - Duck, Goose and Coot Hunting
590.70	Ohio River
590.EXHIBIT A	The Non-Toxic Shot Zones of Illinois (Repealed)

AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.1, 2.2, 2.18, 2.19, 2.20, 2.23, 3.5, 3.6, 3.7, 3.8, and 3.10 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.3, 1.4, 1.13, 2.1, 2.2, 2.18, 2.19, 2.20, 2.23, 3.5, 3.6, 3.7, 3.8, and 3.10) [520 ILCS 5/1.3, 1.4, 1.13, 2.1, 2.2, 2.18, 2.19, 2.20, 2.23, 3.5, 3.6, 3.7, 3.8, and 3.10], and Migratory Bird Hunting (50 CFR 20, effective September 26, 1990).

SOURCE: Adopted at 5 Ill. Reg. 8857, effective August 25, 1981; emergency amendment at 5 Ill. Reg. 11386, effective October 14, 1981, for a maximum of 150 days; codified at 5 Ill. Reg. 10638; Part repealed at 6 Ill. Reg. 9647, effective July 21, 1982; new Part adopted at 6 Ill. Reg. 11865, effective September 22, 1982; amended at 7 Ill. Reg. 13229, effective September 28, 1983; emergency amendment at 7 Ill. Reg. 13948, effective October 6, 1983, for a maximum of 150 days; amended at 8 Ill. Reg. 18968, effective September 26, 1984; amended at 9 Ill. Reg. 14242, effective September 5, 1985; peremptory amendments at 9 Ill. Reg. 15062, effective September 25, 1985; emergency amendments at 9 Ill. Reg. 15928, effective October 8, 1985, for a maximum of 150 days; amended at 10 Ill. Reg. 16588, effective September 22, 1986; emergency amendments at 10 Ill. Reg. 17773, effective September 26, 1986, for a maximum of 150 days; amended at 11 Ill. Reg. 10560, effective May 21, 1987; emergency amendments at 11 Ill. Reg. 15242, effective August 28, 1987, for a maximum of 150 days; emergency expired January 25, 1988; amended at 12 Ill. Reg. 12200, effective July 15, 1988; emergency amendments at 12 Ill. Reg. 16233, effective September 23, 1988, for a maximum of 150 days; emergency expired February 20, 1989; emergency amendments at 12 Ill. Reg. 22244, effective December 7, 1988, for a maximum of 150 days; emergency expired May 6, 1989; amended at 13 Ill. Reg. 10525, effective June 20, 1989; amended at 13 Ill. Reg. 14925, effective September 7, 1989; emergency amendments at 13 Ill. Reg. 16579, effective October 4, 1989, for a maximum of 150 days; emergency expired March 3, 1989; amended at 13 Ill. Reg. 17354, effective October 27, 1989; amended at 14 Ill. Reg. 638, effective January 2, 1990; amended at 14 Ill. Reg. 13529, effective August 13, 1990; emergency amendments at 14 Ill. Reg. 17029, effective September 26, 1990, for a maximum of 150 days; emergency expired February 23, 1991; amended at 15 Ill. Reg. 1487, effective January 22, 1991; amended at 15 Ill. Reg. 13293, effective September 3, 1991; emergency

2) Subsection (g) shall be in accordance with Section 3.7 of the Wildlife Code [520 ILCS 5/3.7].

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- h) Teal Hunting Regulations are located in 17 Ill. Adm. Code 740.
- i) When public duck blinds on State managed sites are flooded to the point that they are no longer useable, but the water level is not too high or rough to be a threat to public safety, the Department, by public announcement and posting, may permit waterfowl hunting anywhere on the area except in designated refuge areas. Any permits issued for the blinds are no longer valid and no fee to hunt the area will be charged.
- j) Waterfowl Hunting Zones:
- 1) Northern Zone - That portion of the State north of a line running east from the Iowa border along Illinois Route 92 to U.S. Interstate 280, east along U.S. Interstate 280 to U.S. Interstate 80, then east along U.S. Interstate 80 to the Indiana border.
 - 2) Central Zone - That portion of the State south of the northern zone boundary to the Modoc Ferry Landing on the Mississippi River and east along the Modoc Ferry Road to Randolph County Highway 12 to Illinois Route 3, then north to Illinois Route 159, then north to Illinois Route 161, then east to Illinois Route 4, then north to U.S. Interstate 70, then east along U.S. Interstate 70 to the Indiana border.
 - 3) Southern Zone - From the southern boundary of the Central Zone south to the remainder of the State.
 - 4) Fulton-Knox County Canada Goose Zone - Knox County and the following townships in Fulton County: Buckheart, Canton, Cass, Deerfield, Fairview, Farmington, Joshua, Orion, Putnam, and that portion of Banner Township bounded on the north by Illinois Route 9 and on the east by U.S. Route 24.
 - 5) Rend Lake Canada Goose Quota Zone - all lands and waters in Franklin and Jefferson Counties.
 - 6) Northeastern Illinois Canada Goose Zone - All lands and waters in the counties of Cook, DuPage, Grundy, Kankakee, Kane, Kendall, Lake, McHenry and Will.
 - 7) Southern Illinois Quota Zone (Alexander, Union, Williamson, and Jackson Counties).

No person during the open season shall take or attempt to take wild geese in the Rend Lake Canada Goose Quota Zone except between legal opening and the hour of 3:00 p.m. except during the last three days of the season when the blinds shall close at sunset daily.

Amended at 17 Ill. Reg. _____, effective _____)

Section 590.20 Permit Controlled Department Sites Only - Duck, Goose and Coot Hunting

- a) Sites covered in this Section, which allow hunting by permit only,

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Rice Lake Conservation Area
Snake Den Hollow State Fish and Wildlife Area
Union County Conservation Area

b) Permit Requirements

- 1) Permit reservations shall be accepted starting in September. Initial acceptance dates and methods for making reservations will be publicly announced. Only applications for reservations submitted by Illinois residents will be processed during the first two weeks of the application period. Applicants making reservations will be sent confirmation.
- 2) Permits shall be issued until the daily quota is filled. The daily quota is determined by the formula: one hunter per 10 to 40 huntable acres. Huntable acres are determined by, but not limited to, the biological studies on the number of the species available; the condition, topography, and configuration of the land at the site; the condition of the roads at the site; the number of employees available to work at the site; and the number of blinds which can be established on a site as set forth in Section 3.8 of the Wildlife Code [520 ILCS 5/3.8].

The permit shall be for the use of the entire blind. It shall be the responsibility of the permit holder to bring one hunting partner (two hunters per blind) for Snake Den Hollow State Fish and Wildlife Area and Union County, or two hunting partners (three hunters per blind) for Rice Lake. Unfilled blinds will be filled by a drawing at the sites.

- 4) Permit Transferability
- A) Permits are not transferrable.
- B) For other information write to:

Illinois Department of Conservation
Permit Office - Waterfowl
524 S. Second Street, Room 210
P.O. Box 19457
Springfield, IL 62794-9457

- 5) Permits for waterfowl hunting will be issued from the Springfield Permit Office for Snake Den Hollow State Fish and Wildlife Area, Union County Conservation Area and Rice Lake.

c) General waterfowl hunting regulations for Snake Den Hollow State Fish and Wildlife Area, Union County Conservation Area and Rice Lake areas

- 1) Subsection (c) of this Section shall be in accordance with Federal Regulations (50 CFR 20) unless the regulations in this Section are more restrictive.

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Season dates, bag limits and methods of taking geese are set by the U. S. Fish and Wildlife Service, Department of the Interior, unless State regulations are more restrictive.

Hours, Permits and Stamp Charges

- A) Hunting hours are from legal opening time until 12:00 Noon at Rice Lake and Snake Den Hollow State Fish and Wildlife Area. Hunting hours at Union County Conservation Area are from sunrise until 12:00 Noon.
- B) From opening day through December 14, hunters with permit reservations are required to check in at the check station between 4:30 a.m. and 5:00 a.m. Permits are void after 5:00 a.m. From December 15 through the close of goose season, hunters with permit reservations are required to check in at the check station between 5:00 a.m. and 5:30 a.m. Permits are void after 5:30 a.m. A drawing shall be held to allocate blind sites. At Union County Conservation Area, hunters with permit reservations from Springfield, who have drawn poorer blinds (as determined by the area operator), shall have priority to be reassigned to the better blinds as they become available.

- C) A \$15.00 Daily Usage Stamp must be purchased at Snake Den Hollow State Fish and Wildlife Area and Union County Conservation Area. A \$10.00 Daily Usage Stamp must be purchased at Rice Lake.

- 4) When daily quotas are not filled, permits shall be issued to standby hunters by a drawing held at the check station.

- 5) Hunters are required to deposit their hunting license and Federal and State Migratory Waterfowl Stamp in the check station while hunting. Persons exempt by law from having a hunting license and an Illinois stamp must deposit their Firearm Owner's Identification Card. Persons under 21 who do not have a card must be accompanied by an adult who has a valid card in his possession.

- 6) Hunting shall be done from assigned blinds only and hunters shall not move from blind to blind or leave the blind and return.

- 7) Baiting with corn, grains or other feed is not allowed.

- 8) Guns must be unloaded and encased at all times when not hunting.

- 9) Disturbing or molesting waterfowl, fishing, or trespassing within the posted area of any hunting ground is prohibited.

- d) Special Canada geese hunting regulations for Union County Conservation Area.

- 1) The legal hunting season is the dates of the Quota Zone goose

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hunting season except that the areas shall be closed on Mondays and December 24, 25, 26 and 29 28. (This site shall be open only for the Illinois Youth Goose Hunt on December 29 28, pursuant to Section 590.25).

- 2) Hunters may not possess more than 5 shells for each Canada Goose allowed in the daily bag.

- 3) Hunters cannot leave their blinds and shoot crippled geese. Hunters can leave the blind and retrieve their crippled geese but they must leave their guns in the blinds.

- 4) Hunters must be at least 16 years of age (except for the Illinois Youth Goose Hunt) to draw for a pit or blind. Each person under 16 years of age must be accompanied by a supervising adult.

- 5) Hunters shall use only decoys provided by the Department. The use or possession of any other decoys is illegal.

- 6) Hunters must pick up decoys and place them next to the blind prior to checking out.

- e) Special duck regulations for Rice Lake.

- 1) The legal hunting season is the dates of the central zone duck hunting season.

- 2) All hunting parties (each blind) are required to use a minimum of 12 duck decoys.

- 3) Hunters can bring a private boat or can rent a boat at the area. The maximum motor size limit for private boats is unrestricted and for rental boats is 10 h.p. while hunting. Boats shall be provided with blinds on Big Lake and no motors shall be allowed.

- 4) Hunters must be at least 16 years of age to draw for a blind at the Rice Lake area.

- 5) Rice Lake will be closed to hunting when the lake is frozen over.

- f) Special Canada goose hunting regulations for Snake Den Hollow.

- 1) The legal hunting season is the dates of the Fulton-Knox County goose hunting zone.

- 2) Hunters must not possess more than 5 shells for each Canada goose allowed in the daily bag.

- 3) Hunters must not enter the refuge in pursuit of crippled geese.

- 4) Hunters must be at least 16 years of age to draw for a blind.

- 5) Closed on Tuesdays, Wednesdays and December 24, 25 and 26.

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(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 590.25 Illinois Youth Goose Hunting Permit Requirements

- a) State sites covered in this Section, which allow hunting by permit only, are:

Horseshoe Lake Conservation Area (Alexander County)

Union County Conservation Area

b) Permit Requirements

- 1) Permit reservations shall be accepted starting in September. Initial acceptance dates shall be publicly announced. Applicants must be between the ages of 10 - 15.
- 2) Only one permit per person shall be issued for the hunt on December 29, 1992-28, 1993.
- 3) The permit shall be for the use of the entire blind and it shall be the responsibility of the permit holder to bring one supervising adult who may also hunt.
- 4) Permit reservations and transferability.

- A) All duplicate permit reservations shall be rejected and the hunter shall forfeit his rights to a permit. Permits are not transferable. Previous participants are ineligible to apply for a permit.

B) For other information write to:

Illinois Department of Conservation
Youth Goose Hunt
524 S. Second Street, Room 210
P.O. Box 19457
Springfield, IL 62794-9457

- 5) Permits for the Illinois Youth Goose Hunt will be issued from the Springfield Permit Office.

c) General waterfowl hunting regulations for Horseshoe Lake (Alexander County) and Union County.

- 1) Subsection (c) shall be in accordance with Federal Regulations (50 CFR 20) unless the regulations in this Section are more restrictive.
- 2) Season dates, bag limits and methods of taking geese are set by the U.S. Fish and Wildlife Service, Department of the Interior. State regulations are more restrictive.
- 3) Hours, Permits and Stamp Charges
 - A) Hunting hours at Horseshoe Lake (Alexander County) and Union County are from sunrise until 12:00 noon on

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December 29, 1992-28, 1993.

- B) Hunters with Illinois Youth Goose Hunt permit reservations are required to check in at the check station between 5:00 a.m. and 5:30 a.m. Permits are void after 5:30 a.m. A drawing shall be held to allocate blind sites.

- C) There is no fee for the Illinois Youth Goose Hunting Permit.

- 4) Hunters are required to deposit their hunting license and Federal and State Migratory Waterfowl Stamps in the check station while hunting. Persons exempt by law from having a hunting license and a State Migratory Waterfowl Stamp must deposit their Firearm Owner's Identification Card. Persons under 21 who do not have a card must be accompanied by an adult who has a valid card in his possession.

- 5) Hunting must be done from assigned blinds only and hunters shall not move from blind to blind or leave the blind and return.

- 6) Baiting with corn, grains or other feed is not allowed.

- 7) Hunters must have a 20 gauge or larger shotgun and provide their own ammunition.

- 8) Guns must be unloaded and encased at all times when not hunting.

- 9) Disturbing or molesting waterfowl, fishing, or trespassing within the posted area of any hunting ground is prohibited.

- d) Special Canada geese Illinois Youth Goose Hunt hunting regulations for Horseshoe Lake (Alexander County) and Union County:

- 1) The legal hunting season is December 29, 1992-28, 1993.

- 2) Each youth may shall not possess more than 25 shells. Each adult shall not possess more than 5 shells for each Canada goose allowed in the daily bag.

- 3) Hunters cannot leave their blind and shoot crippled geese. Hunters can leave the blind and retrieve their crippled geese but they must leave their guns in the blinds.

- 4) Each youth and supervising adult may be accompanied by a guide.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 590.26 Illinois Youth Duck Hunting Permit Requirements

- a) State sites covered in this Section, which allow hunting by permit only, are:

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Donnelley State Wildlife Area

b) Permit Requirements

- 1) Permit reservations shall be accepted starting in September. Initial acceptance dates shall be publicly announced. Applicants must be between the ages of 10 - 15.
- 2) Only one permit per person shall be issued for the hunt on November 15, 1992-14, 1993.
- 3) The permit shall be for the use of the entire blind and it shall be the responsibility of the permit holder to bring one supervising adult who may also hunt.
- 4) Permit reservations and transferability.

- A) All duplicate permit reservations shall be rejected and the hunter shall forfeit his rights to a permit. Permits are not transferable. Previous participants are ineligible to apply for a permit.

- B) For other information write to:

Illinois Department of Conservation
Youth Duck Hunt
524 S. Second Street, Room 210
P.O. Box 19457
Springfield IL 62794-9457

- 5) Permits for the Illinois Youth Duck Hunt will be issued from the Springfield Permit Office.

c) General waterfowl hunting regulations for Donnelley State Wildlife Area.

- 1) Subsection (c) shall be in accordance with Federal Regulations (50 CFR 20) unless the regulations in this Section are more restrictive.
- 2) Season dates, bag limits and methods of taking ducks are set by the U.S. Fish and Wildlife Service, Department of the Interior, unless State regulations are more restrictive.
- 3) Hours, Permits and Stamp Charges
 - A) Hunting hours at Donnelley State Wildlife Area are from sunrise until 12:00 noon on November 15, 1992-14, 1993.
 - B) Hunters with Illinois Youth Duck Hunt permit reservations are required to check in at the check station between 5:00 a.m. and 5:30 a.m. Permits are void after 5:30 a.m. A drawing shall be held to allocate blind sites.
 - C) There is no fee for the Illinois Youth Duck Hunting Permit.

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- 4) Hunters are required to deposit their hunting license and Federal and State Migratory Waterfowl Stamps in the check station while hunting. Persons exempt by law from having a hunting license and a State Migratory Waterfowl Stamp must deposit their Firearm Owner's Identification Card. Persons under 21 who do not have a card must be accompanied by an adult who has a valid card in his possession.
- 5) Hunting must be done from assigned blinds only and hunters shall not move from blind to blind or leave the blind and return.
- 6) Baiting with corn, grains or other feed is not allowed.
- 7) Hunters must have a 20 gauge or larger shotgun and provide their own ammunition.
- 8) Guns must be unloaded and encased at all times when not hunting.
- 9) Disturbing or molesting waterfowl, fishing, or trespassing within the posted area of any hunting ground is prohibited.
- 10) The legal hunting season is November 15, 1992-14, 1993.
- 11) Each youth and supervising adult may be accompanied by a guide.

(Source: Added at 17 Ill. Reg. _____, effective _____)

Section 590.30 Duck, Goose and Coot General Hunting Regulations on all Department-Owned and -Managed Sites.

- a) The regulations in this Section apply to all sites listed in Sections 590.40, 590.50 and 590.60, unless otherwise stated in those Sections.
- b) The regulations in these Sections are in accordance with Federal Regulations (50 CFR 20) unless the regulations in these Sections are more restrictive.
- c) All the regulations in 17 Ill. Adm. Code 510 apply in these Sections, unless these Sections are more restrictive.
- d) Definitions
 - 1) Blind site - A position within 10 feet of numbered site where blind must be constructed. Sites shall be located and marked by the Department of Conservation.
 - 2) Blind builder - Person who has been assigned a blind site as a result of the drawing.
 - 3) Blind partner - Person(s) chosen by the builder to assist in construction and maintenance of the blind and to share its hunting privileges.

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- 4) Drawing - Procedure by which blind sites are assigned.
- 5) Blind registration card - Card issued by the Department and tacked inside each blind listing names and addresses of blind builders.
- 6) Complete blind - A blind with all framework and siding constructed and in readiness for use, including final brushing.
- 7) Hunting party - An individual or group of hunters occupying a single boat, blind, or hunting site.

e) Blind Construction

- 1) Blinds must be at least 4 feet x 8 feet, but no higher than 14 feet from the water surface at normal pool level, to the top of the shooting box, sturdy enough to withstand daily usage, and must be maintained in good condition by blind builders throughout the duck season. Blinds shall be numbered and that number shall be visible from the outside of the blinds. Blinds must be placed within 10 feet of assigned Department marked site.
- 2) Blinds built over water must be of platform construction with the platform constructed above normal water conditions or they may be floating blinds.
- 3) Blinds must be completed, including final brushing, 3 weeks in advance of opening date of waterfowl season, except for those areas listed in Section 590.60(b)(12) and Section 590.60(b)(16), after which time the Department of Conservation shall inspect all blinds and blind sites and issue blind registration cards to those which pass inspection. Blind registration cards shall remain attached to Redwing Slough/Deer Lake until the day following Fall Day. Blind builders must post Blind Registration Card in the blind prior to the first day of duck season. If adverse weather or water conditions make compliance with this rule difficult the site superintendent or the District Wildlife Manager may grant extensions.

- 4) Sites on which blinds have not been built, as well as sites on which blinds of an unsatisfactory quality have been built, shall be reassigned to alternates selected at a drawing or by a first-come allocation held on a day publicly announced by the Department. All reassigned blinds must be completed, including final brushing, in advance of the opening date of the waterfowl season.

- 5) Not more than 3 persons shall be registered for assignment of any one blind site. Blind builders shall submit partner names on a blind registration form as designated at the site drawing. After the designated time, no changes shall be accepted. As directed by the information sheet available at each site, the registration form must be filled out and returned before August 31. Failure to do so shall result in forfeiture of blind.

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- 6) No person shall be allowed to be a blind builder or partner on more than one State Waterfowl Management Area in Illinois.
- 7) Boat hides are required, except as noted in Sections 590.40, 590.50 and 590.60, and must have minimum inside dimensions of 18' x 6', and shall be sturdy enough to withstand daily use considering the conditions of the site, and must be maintained in good condition throughout the season, and shall be completed including final brushing by three weeks prior to the opening day of waterfowl season; failure to meet these standards shall result in forfeiture of blind site.

f) Use of blinds

- 1) Attempts to claim blinds by any manner other than actual occupation shall be considered in violation of this Part and shall be cause for arrest. The insertion of a boat into the boat hide and/or the spreading of decoys before a blind shall not be considered legal occupation of a blind.
- 2) No person shall hunt, or attempt to hunt, except from within a registered blind.
- 3) Persons under 16 years of age shall not hunt, or attempt to hunt unless accompanied by an adult due to safety factors.
- 4) Blinds shall not be locked.
- 5) Claiming or attempting to claim any blind which is legally occupied, and/or harassing, in any manner, the occupants of a blind which has been legally occupied is unlawful.
- 6) No person shall fish within 250 yards of an occupied blind within the hunting area.
- 7) All hunting parties shall hunt over a spread of at least 12 decoys. The decoys shall be staked, placed, or floating, be individually visible, be at least 8 inches long, and not be within a boat, blind or container. Decoys must be removed at the end of the day's hunt or left overnight, as determined by the site manager.

g) Public Drawing

- 1) Time and place for all sites holding drawings shall be publicly announced by the Department of Conservation.
- 2) A registrant for a drawing must be at least 16 years of age and possess a current or preceding year's Illinois Migratory Waterfowl Stamp and a current or expired (within 12 months prior to the drawing) Firearm Owner's Identification Card unless exempted by law. Person exempted by law from possessing a Firearm Owner's Identification Card must have a valid Firearm Owner's Identification Card. Persons who are under 21 years of age who do not have Firearm Owner's Identification Cards must be accompanied by an adult who has

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a valid Firearm Owner's Identification Card in his possession at the drawing. Applicants must be present for the registration and drawing to be eligible for allocation of duck blinds sites.

Amended at 17 Ill. Reg. _____, effective _____)

Check Station Department Sites Only - Duck, Goose and Coot

Sites covered in this Section are:

Anderson Lake Conservation Area

Batchtown (Federal Lands)

Calhoun Point (Federal Lands)

Glades (Federal Lands)

Godar-Diamond (Federal Lands)

Horseshoe Lake State Park - Madison County

Lake DePue State Fish and Wildlife Area

Marshall County Conservation Area

Mazonia State Fish and Wildlife Area

Sanganois Conservation Area

Spring Lake Conservation Area

Stump Lake (Federal Lands)

Woodford County Conservation Area

b) The sites listed above in Section 590.40(a) conform to Statewide Regulations (Section 590.10) and General Department Regulations (Section 590.30), except as noted in parentheses and in the remainder of this Section.

- 1) Anderson Lake Conservation Area - All Management Units (legal opening - noon)
- 2) Batchtown (legal opening - 3:30 p.m. Central Standard Time (CST)) ~~decreases must be picked up and removed at the end of each day of hunt~~
- 3) Calhoun Point (legal opening - 3:30 p.m. CST)
- 4) Glades (legal opening - 3:30 p.m. CST)
- 5) Godar-Diamond (legal opening - 3:30 p.m. CST)
- 6) Horseshoe Lake - Madison County (legal opening - 3:30 p.m.

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CST; goose hunting is prohibited after the duck season)

- 7) Lake DePue (sunrise - noon)
- 8) Marshall County Conservation Area - Spring Branch Unit (legal opening - Noon)
- 9) Mazonia State Fish and Wildlife Area (legal opening to 12 noon; goose season coincides with site duck season; closed Mondays and Tuesdays)
- 10) Sanganois (check station and walk-in area, hunters are not required to hunt from a blind site during goose seasons held prior to duck season; legal opening - Noon)
- 11) Spring Lake (legal opening - Noon; during the waterfowl season, the maximum horsepower limit for outboard motors on the lake is 25 h.p.; no goose hunting prior to duck season)
- 12) Stump Lake (legal opening - 3:30 p.m. CST)
- 13) Woodford County Conservation Area (legal opening - Noon)

c) The following regulations apply to all sites listed in this Section under Subsection (a):

- 1) All hunters must report to the check station to fill out information cards and to turn in hunting licenses or Firearm Owner's Identification Cards before proceeding to blinds. Beginning the day after duck season ends, when the check station is not operating, unclaimed blinds shall be allocated on a first-come basis, as per 590.50 b)2) and 3) ~~goose~~ hunters must sign in prior to hunting and sign out and report their harvest at the end of each day's hunt.
- 2) Registered blind builders or partners desiring to claim their blinds must report to the check station at least one hour before ~~the~~ hunting hour each day and occupy that blind for at least one hour. Hunters wishing to move to another blind during their daily hunt must report back to the check station for reassignment.
- 3) All hunting must be from registered blinds only and hunters must occupy their blinds within one hour after registering at the check station.
- 4) All hunters must be checked out within one hour of the close of the legal ~~the~~ hunting hours. At this time waterfowl and coots bagged must be checked and hunting licenses or Firearm Owner's Identification Cards shall be returned.
- 5) It shall be unlawful to trespass upon the designated waterfowl hunting area during the 3 days prior to the waterfowl season.
- 6) It shall be unlawful to trespass upon the designated waterfowl hunting area 7 days prior to the waterfowl season and on areas designated as waterfowl refuges from October 10 until the end

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Marshall County Conservation Area - Spring Branch Unit
Mazonia State Fish and Wildlife Area
Sanganois
Spring Lake
Woodford County Conservation Area

f) Blind sites shall be allocated for a 3-year period by a public drawing at: (location of drawing site in parenthesis)

Batchtown (Ball Park)
Calhoun Point and Stump Lake (Grafton Ball Park)
Diamond-Hurricane Island (Hardin Fairgrounds)
Glades and 12 Mile Island (Rosedale Headquarters Building)

fg) Previous year's blind builders shall have until the time as noted in parentheses to salvage materials from their blinds.

Anderson Lake (February 1 of the following year)
Batchtown (7 days after the current drawing)
Calhoun Point (7 days after the current drawing)
Glades (7 days after the current drawing)
Godard-Diamond (7 days after the current drawing)
Horsehoe Lake - Madison County (7 days after the current drawing)
Lake Depue (7 days after the current drawing)
Marshall County Conservation Area - Spring Branch Unit (February 1 of the following year)
Mazonia State Fish and Wildlife Area (February 1 of the following year)
Sanganois (7 days after the current drawing)
Spring Lake (February 1 of the following year)
Stump Lake (7 days after the current drawing)
Woodford County Conservation Area (February 1 of the following year)

h) Re-regulation process for "1 year" blind allocation sites:

1) Mazonia State Fish and Wildlife Area, Spring Lake, Stump Lake, and Lake Depue

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of the waterfowl season on Anderson Lake, Lake Depue, Marshall County, Spring Lake, Woodford County Sites, Godard-Diamond and Crull Impoundment.

7) It shall be illegal to fish or trespass upon the designated waterfowl hunting area or waterfowl refuge beginning two weeks prior to the waterfowl season until the end of waterfowl season at Mazonia Fish and Wildlife Area

8) No more than 4 persons shall occupy a blind at one time.

d) During duck season, blinds not claimed by the builder or partners by one hour before shooting time shall be assigned by a drawing at this time or during the time in parentheses, after which time the area shall be closed to additional hunters.

Anderson Lake (one hour before shooting time - 10:00 a.m.)

Batchtown (9:00 a.m. - 1:00 p.m.)

Calhoun Point (9:00 a.m. - 1:00 p.m.)

Glades (9:00 a.m. - 1:00 p.m.)

Godard-Diamond (9:00 a.m. - 1:00 p.m.)

Horsehoe Lake - Madison County (9:00 a.m. - 1:00 p.m.)

Lake Depue (one hour before shooting time - 9:00 a.m.)

Marshall County Conservation Area - Spring Branch Unit (one hour before shooting time - 9:00 a.m.)

Mazonia Fish and Wildlife Area (one hour before shooting time - 9:00 a.m.)

Rice Lake (one hour before shooting time - 9:00 a.m.)

Sanganois (one hour before shooting time - 10:00 a.m.)

Spring Lake (one hour before shooting time - 9:00 a.m.)

Stump Lake (9:00 a.m. - 1:00 p.m.)

Woodford County Conservation Area (one hour before shooting time - 9:00 a.m.)

e) Blind sites shall be allocated for a one-year period by a public drawing at:

Anderson Lake (Anderson Lake Management Unit)

Marshall County Conservation Area (Marshall County)

Lake Depue

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In those years when blind sites are allocated by re-registration, at least one of last year's registered blind builders from each blind site must be present in order to re-register that blind site. Registrant must be over 16 years of age and have in his possession the current year's Illinois hunting license for himself and his blind partners. Failure to re-register during prescribed period shall result in loss of blind site.

- 21 Blind builders may not be added or transferred to another blind after the initial blind registration has occurred.

Amended at 17 Ill. Reg. _____, effective _____

Section 590.50 Non-Check Station Department Sites Only - Duck, Goose and Coot Hunting

- a) Sites covered in this Section have additional regulations in parentheses:

Chain O'Lakes State Park (For goose seasons prior to duck season, hunting allowed from numbered blind sites only and blinds need not be completed)

Des Plaines River Conservation Area (Goose hunting permitted during special goose season prior to regular waterfowl season; during special goose season hunting allowed from numbered blind sites only and blinds do not have to be completed)

Fuller Lake (Federal Lands; legal opening - 3:30 p.m. CST)

Helmbold Slough (Federal Lands; legal opening - 3:30 p.m. CST)
Illinois River - Pool 26

Kankakee River State Park (no boat hide required; no goose hunting permitted prior to duck season)

Lake Sinnissippi (Department Owned Land)

Marshall County Conservation Area - Sparland Unit (Department Owned Land)

Meredosia Lake - Cass County Portion Only (meandered waters only) (all boat traffic is prohibited from operating on meandered waters (except non-motorized boats may be used to assist in the retrieval of waterfowl shot from private land) from the period from one week before waterfowl season opens until the season closes; hunting and/or any other activity is prohibited during the period from one week before waterfowl season opens until the season closes)

Mississippi River Pools 16, 17, 18, 21, 22, 24, 25, 26 (Federal Lands)

Pekin Lake (Department Owned Land)

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Piasa (Federal Lands)

Red's Landing (Federal Lands)

Redwing Slough/Deer Lake (closed on Tuesdays, Thursdays and Fridays, hunting hours close at 12 noon daily, no goose hunting except during duck season)

Riprap Landing

Savanna Ordnance Depot (Federal Lands)

Starved Rock State Park

William W. Powers Conservation Area (no goose hunting prior to duck season; boat hides required only at designated sites as announced at the drawing). There will be no drawing in 1992. 1991 blind builders whose blinds passed inspection will be offered the opportunity to retain their respective blind sites for 1992 due to emergency closure of the site in 1991. Blind builders who did not pass inspection and those who decline this opportunity will have their blind sites offered to the list of alternates drawn at the 1991 drawing.

- b) The sites listed above in subsection (a) conform to Statewide Regulations (Section 590.10) and General Department Regulations (Section 590.30), except as noted in the remainder of this Section. The following regulations apply to all sites listed in this Section under subsection (a).

- 1) Hours are legal opening to sunset except as indicated in parenthesis under subsection (a) above.

- 2) Blind builders or partners must occupy their blinds by one-half hour before opening ~~sheeting~~ hunting hour each day in order to claim their blind for the day. Blinds not legally occupied may be claimed on a first-come basis.

- 3) Attempts to claim blinds by any manner other than actual occupation shall be considered in violation of this part and shall be cause for arrest. The insertion of a boat into the boat hide and/or the spreading of decoys before a blind shall not be considered legal occupation of a blind.

- c) Hunting from permanent blinds shall be permitted at the above areas with the following exceptions:

- 1) ~~AMAX Leased lands - no permanent blinds may be built. Temporary blinds only - 200 yards apart.~~

- 1) Mississippi River Pool 16 - no permanent blinds (temporary blinds only), above Velie Chute except for Goose Pond, Sunfish Slough, and Milan Bottoms (landward area upriver from river mile 474).

- 2) Beeter Bay, Mississippi River Pool 18, Boston Bay - no permanent blinds may be built. Temporary blinds only - 200 yards apart.

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- 3) Mississippi River Pools 16-18 - scull boat hunting for waterfowl is permitted but hunters must not get closer than 200 yards from a permanent duck blind or in areas posted as closed to scull hunting.
- 4) Savanna Ordnance Depot - scull boat hunting for waterfowl is permitted but hunters must not get closer than 200 yards from a permanent duck blind or in areas posted as closed to scull hunters.
- 5) Red's Landing - all area north of access road shall be a walk-in area only. No permanent blinds may be built. Temporary blinds only that portion of Red's Landing that is north of the access road will be noted as a walk-in area only. During the regular duck season, no permanent blinds. This area will be closed to trespassing 3 days prior to duck season. Waterfowl hunting will be permitted during the regular duck season. Daily hunting hours will be legal hunting hours 10:00 a.m. - 1:00 p.m.

d) Special access restrictions are at the following sites:

Savanna Ordnance Depot (boat access only)

e) No more than 4 persons shall occupy a blind at one time except on Mississippi River Pools 16, 17, 18, 21, 22 and 24 and Savanna Ordnance Depot.

f) Previous year's blind builders shall have until the date listed in parentheses of the following year to salvage materials from blind sites. After this date, all materials shall become the property of the Department or the new blind builder, as determined by the site manager, except as noted in parentheses.

Chain O'Lakes (7 days after current year's drawing; except blind numbers 23, 24, 25, 26 and 27 must be removed in their entirety by May 1.)

Des Plaines River (blind drawing date February 1)

Fuller Lake (7 days after the current year's drawing)

Helmhold Slough (7 days after the current year's drawing)

Illinois River Pool 26 (7 days after the current year's drawing)

Kankakee River (February 1)

Lake Siniassippi (blind drawing date; except blind numbers 1, 2, 3, 4, 13, 14, 15, 16, 20, 21, 26, 27, 28, 29, 30, 31 and 32 must be removed in their entirety by May 1)

Marshall County Conservation Area - Sparland Unit (February 1)

Mississippi River Pools 16, 17, 18, 21, 22, 24, 25, 26, (7 days after the current year's drawing)

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Pekin Lake (the blind drawing date)

Plaza (7 days after the current year's drawing)

Red's Landing (7 days after the current year's drawing)

Redwing Slough/Deer Lake (February 1; access for blind removal by appointment with site manager)

Riprap Landing (7 days after the current year's drawing)

Savanna Ordnance Depot (7 days after the current year's drawing)

Starved Rock State Park (February 1)

William Powers (February 1)

g) Blind sites shall be allocated for the period as noted by a public drawing at:

Chain O'Lakes (1 year)

Des Plaines River (1 year)

Helmhold Slough and Fuller Lake (3 years)

Illinois River Pool 26 and Plaza Island (3 years)

Kankakee River (1 year)

Lake Siniassippi (1 year)

Marshall County Conservation Area - Sparland Unit (1 year)

Mississippi River Pools 16, 17, 18, 22, 24, (2 years)

Mississippi River Pools 25, 26 (3 years)

Pekin Lake (1 year)

Red's Landing and Riprap Landing (3 years)

Redwing Slough/Deer Lake (1 year)

Savanna Ordnance Depot (1 year)

Starved Rock State Park (1 year)

William Powers (1 year)

h) Re-registration Process for "2 year" and "3 year" Blind Allocation Sites.

i) Mississippi River Pools 16, 17, 18, 21, 22, 24, 25, 26, (7 days after the current year's drawing)

in those years when blind access are allocated by

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any requestant, at least one of last year's registered blind hunters from each blind site must mail or phone in letters to the registrant that blind sites failure to re-register during the publicly announced prescribed period shall result in loss of blind sites.

21) Mississippi River Pools 21, 22, 24, 25 and 26

In those years when blind sites are allocated by re-registration, at least one of last year's registered blind hunters from each blind site must be present in order to re-register that blind site. Registrant must be over 16 years of age and have in his possession the current year's Illinois hunting license for himself and his blind partners. Failure to re-register during prescribed period shall result in loss of blind site.

32) Blind builders may not be added or transferred to another blind after the initial blind registration has occurred.

At William Powers, fishing from boats during waterfowl season is unlawful. Fishing from the shore in areas posted as waterfowl hunting areas during waterfowl hunting season is unlawful.

Blind winners on the following sites will be provided forms for the purpose of maintaining waterfowl harvest records. The forms must be completed and returned within 15 days after the close of the site's waterfowl season or the blind builder and partners for that blind shall not be allowed to be a blind builder or partner at these sites for the following year.

Chain of Lakes State Park

Des Plaines Conservation Area

Kankakee River State Park

Redwing Slough/Deer Lake

William Powers Conservation Area

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 590.60 Various Other Department Sites - Duck, Goose and Coot Hunting

a) Sites covered in this Section conform to Statewide Regulations (Section 590.10) and General Department Regulations (Section 590.30), except as noted in the remainder of this Section. These sites are:

Braidwood Lake

Cache River State Natural Area

Campbell Pond Wildlife Management Area

Carlyle Lake Project Lands and Waters

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Cedar Lake

Chauncey Marsh

Clinton Lake State Recreation Area

Crab Orchard Refuge

Dog Island Wildlife Management Area

Donnelley State Wildlife Area

Eldon Hazlet State Park

Fox Ridge State Park

Ft. de Chartres Historic Site

Heidecke State Fish and Wildlife Area and Powerton Lake

Horseshoe Lake Conservation Area (Alexander County) Daily Drawing Waterfowl Hunting Area only

Horseshoe Lake Conservation Area (Alexander County) Public Hunting Area

Horseshoe Lake State Recreation Area (Madison County)

Kaskaskia River Fish and Wildlife Area

Kidd Lake State Natural Area (no permanent blinds allowed)

Kinkaid Lake Fish and Wildlife Area

Lake Shelbyville

Lake Shelbyville Fish and Wildlife Management Area

LaSalle Fish and Wildlife Area

Mermet Lake Conservation Area

Mississippi River Area Fish and Wildlife Area

Oakford Conservation Area

Pike County Conservation Area

Powerton Lake (Regulations combined with Heidecke Lake)

Rend Lake Project Lands and Waters

Rice Lake Conservation Area

Saline County Conservation Area

Sanganois Conservation Area

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- accompanied by an adult.
- E) Blind sites not selected during the drawing shall be allocated on a first-come, first-served basis. Vacant blind sites shall be allocated 90 minutes after legal shooting time. No blind sites shall be allocated after 9:00 a.m.
- F) Hunters wishing to move to another blind site must report this move to the check station attendant, in person, before such a move, except that after 10:00 a.m. daily, hunters may move to a vacant blind site without notifying attendant, but such a move must be reported when checking out.
- G) Hunting shall be from boat blinds with a minimum length of 16 feet and a minimum 60-inch beam, and must have a gas-powered motor.
- H) Access to blind sites shall be by boat only and from designated boat launch sites.
- I) No more than 3 persons shall use one blind. Portable boat blinds must have been completed, including final brushing, before entering the area, and be removed at the end of each hunting day.
- J) Daily hunting hours will be legal opening time to 12:00 Noon. Upon vacation blinds, all hunters must report to the check station within 1 hour. At this time, waterfowl bagged must be checked in and displayed to the station operator and hunting licenses returned.
- K) Each hunting party is required to hunt over a minimum of 12 decoys. Decoys must be picked up immediately after the hunt is over.
- L) No unauthorized pits or blinds shall be built on Department leased or managed land or water.
- M) Braidwood Lake shall be closed to all fishing and boat traffic from 2 weeks prior to duck season through the day before duck season and be closed to all fishing during waterfowl seasons commencing with duck season.
- N) No hunting allowed on Monday and Tuesday.
- O) Layout boats approved in advance by the site superintendent shall be permitted. A layout boat is defined as a non-motorized, flat bottom, low profile boat in which the sides are continuous with the front deck and slope inward toward the stern rather than the usual outward flange. Such layout boats must be attended at all times by a nonhunting tender boat that is at least 16 feet with a 60 inch beam. Layout boats are restricted to open water blind sites. Tender boats must anchor as close as possible to the designated tender

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- Sangchris Lake State Park
- Shawnee National Forest, Bluff Lake
- Shawnee National Forest, Lake Scatters
- Shawnee National Forest, Oakwood Bottoms (West of the Big Muddy Levee)
- Stephen A. Forbes State Park
- Ten Mile Creek State Fish and Wildlife Area
- Turkey Bluffs Fish and Wildlife Area (All hunters must sign in and out and report kill; no permanent blinds allowed)
- | Union | County | Conservation Area | (firing line) |
|-------|--------|---------------------------|---------------|
| | | Waterfowl Management Area | |
- b) Site specific regulations
- 1) Braidwood Lake
- A) Definitions:
- i) Boat blind (water blind) - a portable form of boat which must be completely concealed (including final brushing) before entering the area.
- ii) Water blind site - a position within 50 yards of a numbered stake or buoy, or a position between two like-numbered buoys, where a blind may be located.
- iii) Daily draw - procedure by which blinds or blind sites are allocated daily.
- iv) Refuge - an inviolate area on which all hunters and the general public may not trespass.
- B) Waterfowl hunting shall be permitted on Department leased or managed lands and waters only at designated blind sites.
- C) Water blind sites shall be determined by the Department of Conservation and marked with a numbered stake or buoy.
- D) Blind sites shall be allocated on a daily draw basis commencing at the check station 90 minutes before shooting time. Hunters shall register at parties for the drawing; each party drawn will be allowed to select blind sites to other drawn; only those hunters registered in party shall be allowed to hunt with their party; no more than three hunters per party; persons under the age of 16 shall not be allowed to hunt unless

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Boat Landing.

- P) No guns may be carried from water blinds to retrieve waterfowl that fall on land.
- Q) Hunting is closed on Christmas Day.
- R) All water areas not posted with blind site numbers shall be refuge and are closed to all boat traffic except by authorized personnel.
- S) It is unlawful to shoot across any dike.
- T) Waterfowl hunting closes at the end of duck or goose season, whichever is later. No goose hunting during the September-goose seasons held prior to duck season is permitted.
- U) In the event of adverse water and/or weather conditions, such as flooding, high winds, or heavy fog, hunting shall be prohibited.

2) Cache River State Natural Area

- A) No permanent blinds or pits may be constructed or dug at any time. All blinds must be of a portable nature or be established with natural vegetation and must be removed or dismantled at the end of the day's hunt. Cutting of live trees and shrubs on the area is prohibited.
- B) Dedicated Nature Preserve areas are closed to hunting.

3) Campbell Pond Wildlife Management Area

- All blinds must be of a portable nature and constructed with natural vegetation at the blind site and must be removed or dismantled at the end of the day's hunt.

4) Carlyle Lake Project Lands and Waters

- A) ~~Sheeting~~ Hunting hours for waterfowl are statewide opening hour until 1:00 p.m.
- B) Waterfowl and coot hunting only shall be permitted in the subimpoundment area except in clearly posted refuge areas or developed recreation areas, or within 500 feet of construction sites or developed recreation areas during waterfowl season.
- C) No permanent blinds, goose pits, or other structural works may be constructed or dug on State managed lands at any time, except that the U.S. Army Corps of Engineers may build permanent blinds for disabled or handicapped hunters. All other blinds must be portable in nature or constructed of natural vegetation located at the blind site, and must be removed at the end of the day's hunt.

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- D) It is unlawful to enter the subimpoundment area during the 3 days prior to the opening of waterfowl hunting season. No one may enter the subimpoundment area before 3:00 a.m. each day of the duckwaterfowl hunting season, and no one may remain in the area after 3:00 p.m. each day of the duck hunting season. The subimpoundment area is defined as that area bordered by the Kaokaakia River on the east and south and extending north and west to the Carlyle Lake project boundary, and includes impoundment areas 1, 2, 3, and 4.
- E) No one may enter or remain on the waters of Carlyle Lake from 12:00 a.m. (midnight) to 3:00 a.m. each day of the waterfowl hunting season. No waterfowl hunter may remain in the area after 3:00 p.m. each day of the waterfowl hunting season. The waters of Carlyle Lake include the lake and that portion of the Kaokaakia River, northfork, eastfork and Hurricane Creek that are within the boundaries of the Carlyle Lake property.
- F) ~~It shall be unlawful to be in possession of firearms on the waters of Carlyle Lake after 3:00 p.m. each day during the waterfowl hunting season and 24 hours prior to the opening day of waterfowl hunting season. Individual float tubes (not to exceed 42" diameter) and capable of supporting only one person may be used.~~
- G) Only walk-in hunting shall be permitted in the subimpoundment areas. ~~No flotation devices capable of floating a man are allowed except Coast Guard-approved PFD's.~~ When the water level in the subimpoundment area is too high (due to flooding) to allow walk-in hunting, Department of Conservation personnel shall post that the area is open to boats. Boats are allowed only at these times in the subimpoundment areas.
- H) In the subimpoundment areas, compartments 3 and 4 will be waterfowl rest areas during the entire waterfowl season. No hunting within 50 yards of D levee (which surrounds subimpoundment 3) or F levee (which contains subimpoundment 4) is permitted. No trespassing will be allowed. At the close of duck hunting season, known eagle protection areas will be posted by the Site Superintendent and will be closed to goose hunting.
- I) Each hunting party is required to hunt over a minimum of 12 decoys. Decoys shall not be left out unattended or after 3:00 p.m. each day of the waterfowl season.
- J) A minimum of 200 yards shall be maintained between waterfowl hunting parties. (A hunting party shall be defined as an individual, or group of hunters occupying a single boat, blind, or hunting site).
- K) No person shall tamper or attempt to manipulate any of the gates, pumps, or structures in the subimpoundment area.

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- L) No motor driven vehicles are allowed in the subinboundment area except those operated by Department of Conservation or Corps of Engineers personnel.
- M) ~~East Side Management Area from Gow Bridge to the north and west boundary of the State managed land is open to hunting of other species (that are in season) during the waterfowl hunting season. Subinboundment area waterfowl regulations apply in this the East Side Management area for waterfowl hunting. Statewide and site specific regulations apply for other species. No waterfowl hunting shall be permitted in the Hurricane Creek Area.~~
- N) All waterfowl hunters must register prior to hunting each day of the waterfowl hunting season at the nearest registration box located at the access parking lot. All hunters must sign out and record their harvest at the end of each day's hunt.

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Cedar Lake

All blinds must be of a portable nature and constructed with natural vegetation at the blind site and must be removed or dismantled at the end of the day's hunt.

56) Chauncey Marsh

- A) Permit required, may be obtained at Red Hills State Park Headquarters and must be returned by February 15.
- B) No permanent blinds or pits may be constructed or dug at any time. All blinds must be of a portable nature or be established with natural vegetation and must be removed or dismantled at the end of the day's hunt. Cutting of live trees is prohibited.
- C) Dedicated Nature Preserve area is closed to hunting.

67)

Clinton Lake

- A) Hunters must obtain free permit from site office prior to hunting; hunters must return the permit and report harvest by February 15 of following year or hunting privileges for following season shall be forfeited.
- B) Hunting is allowed only from anchored portable boat blinds except no waterfowl hunting is permitted in the area extending from a line between the west side boat ~~area and the waterfowl management point of the central peninsula to the Davenport Bridge, and within 200 yards of developed recreation areas, construction and industrial sites, or within 300 yards of electrical power lines.~~
- C) Hunting parties must maintain a minimum distance of 200 yards apart.

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- D) No more than 3 persons shall occupy or use a portable boat blind.
- E) Portable boat blinds must have been completed, including final brushing, before entering the water and must be removed at the end of each hunting day.
- F) Each hunting party is required to hunt over a minimum of 12 decoys.
- 78) Dog Island Wildlife Management Area
- All blinds must be of a portable nature and constructed with natural vegetation at the blind site and must be removed or dismantled at the end of the day's hunt.
- 89) Donnelley State Wildlife Area
- A) Hunting is prohibited on Tuesdays and Wednesdays and on November ~~15-19~~ 14, 1993 except as indicated in Section 590.26.
- B) Hunting hours are from sunrise to 12 Noon.
- C) Goose hunting is prohibited after the close of the duck season.
- D) All hunting shall be from designated blinds only. Refilling or changing blinds is not permitted.
- E) All hunters must report to the check station to fill out an information card and turn in hunting licenses or Firearm Owner's Identification Cards before proceeding to blinds.
- F) \$10.00 daily usage stamp must be purchased to hunt this area.
- G) No outboard motors are allowed by public - only by authorized DOC personnel.
- H) No more than 3 persons shall occupy a blind at any one time.
- I) All parties are required to report to check station within 1 hour after termination of hunt or no later than 1 p.m.
- J) All parties must hunt over a minimum of 12 decoys and a maximum of 48 decoys which must be removed upon the termination of the hunt.
- K) The first weekend and the third Saturday of the waterfowl season shall be designated as youth hunt days. This shall consist of youth or youths 15 and under plus one adult per blind. There shall be no charge for the youth on these days. Those blinds not allocated to

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youths shall be available to adults on those days.

- L) One blind shall be made available by priority claim to "disabled" persons (as defined in Section 5/2.33 of the Wildlife Code).

910) Eldon Hazlet State Park

- A) Hunting hours close at 1:00 p.m.
 B) Waterfowl and coot hunting shall be permitted except in clearly posted refuge areas or developed recreation areas, or within 500 feet of construction sites, developed recreation areas, fisheries rearing ponds, roadways, and residences.

911) Fox Ridge State Park

- A) Hunting restricted to Embarras River and its flood waters.
 B) No permanent blinds of any kind or other structural works are permitted.
 C) No pits shall be dug, built or occupied.

1012) Port de Charlevoix Historic Site

- A) No check station.
 B) Hunting is allowed from anchored, portable boat blinds only on a first-come, first-served basis; no permanent blinds allowed.
 C) Portable boat blinds must have been completed, including final brushing, before entering the area and must be removed at the end of each hunting day.

- D) Hunting parties must maintain a minimum distance of 200 yards apart.

- E) Each hunting party is required to hunt over a minimum of 12 decoys which must be removed at the end of each hunting day.

- F) No hunting is allowed during firearm deer season.

1113) Heidecke State Fish and Wildlife Area and Powerton Lake

A) Definitions:

- 1) Boat blind (water blind) - a portable form of boat which must be completely concealed (including final brushing) before entering the area. The boat blind and all blind materials must be removed at the end of each hunting day.

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- ii) Water blind site - a position within 10 yards of a numbered stake or buoy where a blind may be located.

- iii) Daily draw - procedure by which blinds or blind sites are allocated daily.

- iv) Refuge - an inviolate area on which all hunters and the general public may not trespass.

- B) Waterfowl hunting shall be permitted on Department leased or managed lands and waters only at designated blind sites.

- C) Water blind sites shall be determined by the Department of Conservation and marked with a numbered stake or buoy.

- D) Blind sites shall be allocated on a daily draw basis conducted at the check stations 90 minutes before shooting time at Heidecke State Fish and Wildlife Area and 60 minutes before shooting time at Powerton Lake. At Heidecke Lake hunters shall register as parties for the drawing; each party drawn shall be allowed to select blind site in order drawn; only those hunters registered in party shall be allowed to hunt with their party; no more than three hunters per party; persons under the age of 16 shall not be allowed to hunt unless accompanied by an adult.

- E) Blind sites not selected during the drawing shall be allocated on a first-come, first-served basis. Vacant blind sites shall not be allocated after the drawing until one hour after legal shooting time. No blind sites shall be allocated after the drawing until one hour after legal shooting time. No blind sites shall be allocated after 10:00 a.m.

- F) Hunters wishing to move to another blind site must report this move to the check station attendant, in person, before such a move.

- G) Hunting must be from boat blinds only.

- H) Access to water blind sites must be by boat only and from designated boat launch sites.

- I) All water hunting must be from portable blind, within 10 yards of the assigned numbered stake or buoy. No more than 3 persons shall use one blind. Portable boat blinds must have been completed, including final brushing, before entering the area, and be removed at the end of each hunting day.

- J) Party shooting hunting hours shall be legal opening time to 12:00 Noon. Upon vacating blinds, all hunters must report to the check station within 1 hour. At this

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time, waterfowl bagged must be checked in and displayed to the station operator and hunting licenses returned.

- K) Each hunting party is required to hunt over a minimum of 12 decoys. Decoys must be picked up immediately after the hunt is over.

- L) No unauthorized pits or blinds shall be built on Department leased or managed land or water.

- M) Heidecke Lake shall be closed to all fishing and boat traffic except for legal waterfowl hunters from 2 weeks prior to duck season until the close of the waterfowl season. Powerton Lake shall be closed to boat traffic from October 1 to February 15, except for legal waterfowl hunters; and closed to all unauthorized entry during the waterfowl season.

- N) No hunting on Monday and Tuesday at Heidecke Lake. No hunting at Powerton Lake on Monday through Thursday except hunting permitted on State holidays.

- O) It is unlawful to hunt waterfowl on the water area in any watercraft less than 16 feet long and 60 inches in beam; however, layout boats approved in advance by the site superintendent will be permitted. A layout boat is defined as a nonmotorized, flat bottom, low profile boat in which the sides are continuous with the front deck and slope inward toward the opening rather than the usual outward slope. Such layout boats must be attended at all times by a nonhunting tender boat that is at least 16 feet with a 60 inch beam. Layout boats are restricted to open water blind sites. Tender boats must anchor as close as possible to the center dike.

- P) No guns may be carried from water blinds to retrieve waterfowl that fall on land.

- Q) Hunting is closed on Christmas Day.

- R) All water areas not posted with blind site numbers shall be refuge and are closed to all boat traffic except by authorized personnel.

- S) It is unlawful to shoot across any dike at Heidecke Lake.

- T) Waterfowl hunting shall close with the conclusion of the duck season at Powerton Lake. At Heidecke Lake, waterfowl hunting closes at the end of duck or goose season, whichever is later. No goose hunting is allowed prior to duck season.

- U) In the event of adverse water and/or weather conditions, such as flooding, high winds, or heavy fog, hunting will be prohibited.

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~~1414~~ Horseshoe Lake (Alexander County) Daily Drawing Waterfowl Hunting Area Only

- A) Waterfowl hunting shall be permitted only during goose season, except that no hunting is allowed on Mondays, Tuesdays or December 24, 25, 26 and 2928 (this site shall be open only for the Illinois Youth Goose Hunt on December 2928, pursuant to Section 590.25).

- B) Hunting shall be done from assigned blinds only.

- C) A daily drawing for assigned blind sites will be held 60 minutes prior to legal hunting hours each day hunting is allowed. For the drawing, hunters must register as a party; no more than two people per party are permitted.

- D) Hunters must deposit their license prior to going to their blinds.

- E) Hunters must park in assigned, designated areas only.

- F) Hunters must hunt over a minimum of 12 Canada goose decoys.

- G) Daily hunting hours will be from sunrise to 12 Noon; hunters must return to the check station and report their harvest by 1:00 p.m.

- H) Hunters may not possess more than 5 shells for each Canada goose or subspecies allowed in the daily bag.

- I) Hunters cannot move from blind to blind, nor leave the assigned blind to shoot crippled geese; hunters may leave the assigned blind to retrieve crippled geese, but must leave their guns in the blind.

~~1415~~ Horseshoe Lake (Alexander County) Public Hunting Area

- A) No permanent blinds may be built.

- B) Daily hunting hours close at 12:00 Noon.

~~1416~~ Horseshoe Lake State Recreation Area (Madison County)

- A) A pothole cleared of all weeds and brush for a 40 yard radius is required around all blind sites.

- B) Blinds must be completed, including final brushing, 4 weeks in advance of the opening date of waterfowl season, after which time the Department of Conservation shall inspect all blinds and blind sites and issue blind registration cards to those which pass inspection.

- C) Sites on which blinds have not been built, as well as sites on which blinds of an unsatisfactory quality have

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been built, and have failed the inspection pursuant to Section 590.30(e), shall be given one week to correct deficiencies. Blinds failing the second inspection shall be reassigned to alternates selected at a drawing or by a first-come allocation held on a day publicly announced by the Department. All reassigned blinds must be completed, including final brushing, in advance of the opening date of the waterfowl season.

†17) Kaskaskia River Fish and Wildlife Area

- A) ~~Sheeting~~Hunting hours are statewide opening hour until 1:00 p.m. during the waterfowl hunting season. No waterfowl hunters may remain in the area after 3:00 p.m. For those lands lying south of Illinois Route 154 and north of Illinois Route 13, the legal ~~sheeting~~hunting hours shall be from statewide opening hour until statewide closing hour. Goose hunting hours end at 1:00 p.m.
- B) All waterfowl hunting parties must use at least 12 decoys and hunt at least 200 yards from the next hunting party.
- C) No permanent blinds allowed on the area. No one has any prior claim or right to any blind site. First-come, first-served rule prevails. Blinds shall be of a portable nature or constructed with natural vegetation located at the blind site and must be removed or dismantled at the end of each day's hunt.
- D) It is unlawful to leave duck and goose decoys unattended. Decoys must be picked up at the end of each day's hunt.
- E) No one under 16 years of age shall hunt or attempt to hunt on the area unless accompanied by an adult due to safety factors.
- F) The following regulations apply to the Boza Creek Waterfowl Management Area:
 - i) Thin area shall be closed to all public and waterfowl hunters may enter the area before 4:00 a.m. each day of the waterfowl hunting season. No waterfowl hunters may remain in the area after 1:00 p.m.
 - ii) Waterfowl and food and archery deer hunting only allowed in thin area during the duck hunting season; goose hunting is closed during the second firearm deer season if the latter occurs after duck season.
 - iii) Waterfowl hunting is closed during the second firearm deer season.

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18) Kinkaid Lake Fish & Wildlife Area

- A) No permanent blinds.
- B) Temporary blinds only.
- C) 200 yards apart

†19) Lake DePue (walk-in area)

- A) Blinds will be allocated by a daily drawing held 1 hour before ~~sheeting~~hunting time.
- B) Hunting hours are from sunrise to 12 noon daily.
- C) All hunting shall be from designated blinds only.
- D) Refilling or changing blinds will not be permitted.
- E) Goose hunting is prohibited after the close of the duck season.
- F) All parties must hunt over a minimum of 12 decoys.
- G) No boats are allowed in the walk in area.
- H) The walk-in area will be closed to hunting on November 14 (this is to accommodate the Youth Duck Hunt).
- I) All parties are required to report to the check station within 1 hour after termination of hunt or no later than 1 p.m.

†20) Lake Shelbyville West Okaw and Kaskaskia Fish and Wildlife Area

- A) Waterfowl hunting shall be permitted as described below except in duly posted restricted and "No Hunting" areas.
- B) Waterfowl hunting in the Fish Hook, the North Dunn, the McGee, and the Jonathan Creek Waterfowl Areas shall be allowed by a daily drawing from opening day through the first Saturday and Sunday of the regular waterfowl season. Parties must register for drawings between 4:00 a.m. and 5:00 a.m. Central Daylight Time (3:00 a.m. and 4:00 a.m. Central Standard Time) on those days. Each party drawn shall be allowed to choose one of the staked units in the waterfowl area. Parties must select sites in the order they are drawn. Maximum party size is 4 persons. In addition, the following regulations shall apply:
 - i) All parties must hunt within 10 yards of their assigned stake.
 - ii) All parties must be in place by one-half hour before ~~sheeting~~hunting time.

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- iii) All parties are required to report their harvest by 2:00 p.m. following each hunt.
- C) Hunting in the Jonathan Creek, North Dunn and McGee Waterfowl Areas shall be restricted to designated, staked sites on a first-come, first-served basis except as noted in subsections (A) and (B) above. A hunting party must hunt within 10 yards of the stake.
- D) Daily ~~sheeting~~ hunting hours shall be from legal opening to 1:00 p.m.
- E) Waterfowl hunters must maintain a distance of 200 yards between parties except as described in subsection (B) above. ~~(A hunting party shall be defined as an individual or group of hunters occupying a single boat, blind, or hunting site).~~
- F) Each hunting party in the Fish Hook, Dunn, Jonathan Creek and McGee Waterfowl Areas are required to hunt over a minimum of 12 decoys.
- G) The building of permanent blinds of any kind or other structural works is prohibited. All blinds must be of a portable nature or constructed with natural vegetation located at the blind site and must be removed or dismantled at the end of the day's hunt.
- H) No goose pits shall be built or dug.
- I) Motors of over 10 horsepower shall not be operated in the Fish Hook, Jonathan Creek, Dunn, and McGee Waterfowl Areas.
- J) Waterfowl hunting only is permitted in the Fish Hook, Dunn, Jonathan Creek and McGee Waterfowl Areas during the regular waterfowl season, except that pheasant, rabbit and quail hunting is permitted after 1:00 p.m. daily beginning the day after the close of the Central Zone Duck Season.
- K) During the regular waterfowl season, no bank or boat fishing shall be permitted on the Kaskaskia River from the Strickland Boat Access north to the Illinois Central Railroad bridge from one-half hour before sunrise until 1:00 p.m.
- L) A free permit is required, which is obtained from the site office. Permits must be in possession while hunting waterfowl. The permit must be returned and harvest reported by February 15 or the hunter will forfeit his hunting privileges at this site for the following year.
- A) Waterfowl hunting shall be permitted only during the

1421) Mermet

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- duck hunting season.
- B) Hunting is allowed in both the walk-in and blind areas only. Those individuals wishing to hunt in the walk-in area are required to deposit their hunting licenses and register at the check station prior to entering the area. Individuals who wish to use the blind area are required to deposit their hunting licenses and participate in a daily drawing during which blinds shall be assigned. Hunting parties shall not change blinds without prior approval from the check station operator. Those persons exempted by law from having hunting licenses must deposit their Firearm Owner's Identification Cards.
- C) The daily drawing shall be held one hour prior to legal ~~sheeting~~ hunting time.
- D) All members of the hunting party shall register as a group (not to exceed 4 people per group) for the purpose of the drawing.
- E) Those hunters in the blind area shall park in designated areas. These parking areas shall be numbered to correspond with particular blind sites located along the levee road.
- F) In the blind area, a minimum of 12 decoys per blind is required while hunting waterfowl.
- G) ~~Deer, squirrel and woodcock may not be taken in the waterfowl areas after the opening of the waterfowl season.~~
- H) Daily hunting hours shall be the legal opening until 12:00 Noon local time.
- I) All boats are prohibited from entering the duly posted waterfowl refuge (Main Lake) from October 1 until the close of the waterfowl season.
- J) Mississippi River Area Fish and Wildlife Area
- A) A pothole cleared of all weeds and brush for a 40 yard radius is required around all blind sites.
- B) Blinds must be completed, including final brushing, 4 weeks in advance of the opening date of waterfowl season, after which time the Department of Conservation shall inspect all blinds and blind sites and issue blind registration cards to those which pass inspection.
- C) Sites on which blinds have not been built, as well as sites on which blinds of an unsatisfactory quality have been built, and have failed the inspection pursuant to Section 590.60(e), shall be given one week to correct deficiencies. Blinds failing the second inspection

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shall be reassigned to alternates selected at a drawing on a day publicly announced by the Department. All reassigned blinds must be completed, including final brushing, in advance of the opening date of the waterfowl season.

one hour after sunset.

23) Oakford Conservation Area

A) All blinds must be portable. No permanent blinds.

B) Waterfowl hunters must maintain a distance of 200 yards between hunting parties.

24) Pike County Conservation Area

Statewide season regulations apply except that the season closes November 30 in Area A and December 15 in Area C, or the legal statewide closing, whichever is earlier.

25) Rend Lake Project Lands and Waters

A) All blinds must be of a portable nature or constructed with natural vegetation located at the blind site and must be removed or dismantled at the end of the day's hunt.

B) No goose pits or permanent blinds shall be dug or built on Project lands.

C) All waterfowl hunters and all boats must be out of the Wildlife Management Areas by 2:00 p.m. each day of the waterfowl season and not return until 4:30 a.m., except during the last 3 days of the Canada goose season, hunters must be out of the areas by one hour after sunset and not return until 4:30 a.m.

D) No hunting permitted from the subimpoundment dams.

E) No waterfowl hunting permitted within 200 yards of the refuge boundary, or within 100 yards of any private property boundary.

F) The distance between waterfowl hunting parties shall be no less than 200 yards.

G) No waterfowl hunting permitted within 200 yards of any Whistling Wings Access Area daily drawing blind/pit.

H) All boat traffic is prohibited from entering the duly posted waterfowl refuge and the subimpoundment from 2 weeks before waterfowl season until March 1 except that boats used by waterfowl hunters are permitted in the subimpoundment from 4:30 a.m. and 11:20 p.m. during the waterfowl season, except during the last 3 days of the Canada goose season, boats used by waterfowl hunters are permitted in the subimpoundment from 4:30 a.m. and 11:20 p.m. during the last 3 days of the Canada goose season.

I)

All waterfowl hunters must sign in prior to hunting and sign out and report their harvest at the end of each day's hunt.

J)

Permanent blinds at the Whistling Wings Access Area shall be allocated by a daily drawing at 5:30 a.m.

K)

Each hunting party is required to hunt over a minimum of 12 decoys at each blind site, and all decoys must be picked up at the end of each day's hunt.

L)

Daily hunting hours for waterfowl shall be from legal opening time to 1:00 p.m., except during the last 3 days of Canada goose season, hunting shall close at sunset daily.

M)

The land portion of the Rend Lake Refuge is closed to trespassing at all times during waterfowl season. The location of the Rend Lake Refuge is described as follows:

i) Bounded on the south by a buoy line, approximating the Jefferson-Franklin County Line.

ii) Bounded on the east by a buoy line and/or signs approximating the channel of the Casey Fork Creek.

iii) Bounded on the west by a buoy line and/or signs approximating the channel of the Big Muddy River.

iv) Bounded on the north portion of the Big Muddy River by a buoy line and/or signs approximating a line which would extend west from Ina, Illinois.

v) Bounded on the north portion of the Casey Fork Creek by the Casey Fork Subimpoundment Dam.

vi) Bounded on Nason Point by refuge boundary signs at project limits.

23.6) Rice Lake (Walk-in and Copperas Creek Management Unit)

A)

Hunting shall be alternated between units every other day beginning with opening day at the walk-in unit, and shall be limited to 20 hunters per day.

B)

Hunters shall be determined by a daily drawing at the designated check station.

C)

Shooting hunting hours shall be from legal opening time until 12:00 Noon. Statewide bag and possession limits apply on this area.

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- D) Walk-in hunting only.
- 2427) Saline County Conservation Area
- A) Waterfowl hunting is allowed north of the township road only.
- B) Walk-in hunting only.
- 2428) Sangamonis (Walk-in Area)
- A) Hunters using the walk-in area shall use the check station at the headquarters area located 8 miles northwest of Chandlerville just off Route 78 or the check station on the west side of the Illinois River one mile north of Browning near Route 100.
- B) Walk-in waterfowl hunting shall be permitted only in the area posted for this purpose.
- C) All hunters using this area must report to the check station to fill out information cards and to turn in hunting licenses or Firearm Owner's Identification Cards before proceeding to area.
- D) Upon the completion of hunting, hunters must report to the check station within one hour.
- E) Fishing is prohibited in the impoundment areas during the waterfowl season.
- F) No person shall trespass on the Barkhausen Refuge during the period from October 1 through ~~December 31~~ end of goose season.
- G) No person shall trespass on the Marion-Pickrel Waterfowl Refuge during the period from October 1 through the last day of the waterfowl season, unless prior permission for a specific reason (such as access to private land or to retrieve dead or wounded game) is granted by the site superintendent.
- H) Walk-in area legal opening until 12:00 noon during duck season. When the central zone goose season extends beyond the duck season, goose hunting shall be permitted with statewide hunting hours in effect. Hunters need not occupy a blind. All hunting must be conducted within non-refuge areas.
- I) No hunting permitted from the walk-in area subimpoundment levee.
- 2529) Sangchris Lake State Park
- A) Hunting hours are legal opening until 12:00 Noon, except during the firearm deer season hunting hours shall cease at 10 a.m. and waterfowl hunters must be off the lake by

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- 11 a.m. and during the last 3 days of Canada goose season, hunting hours will close at statewide closing. No waterfowl hunting the 1st day of firearm deer season in November or the 1st day of firearm deer season in December.
- B) Blind sites shall be allocated by a daily drawing to be conducted 90 minutes prior to ~~sheeting~~ hunting time. Blind sites not selected during the drawing (or in the event that personnel are not available to conduct the drawing) shall be allocated on a first-come, first-served basis. (During that portion of the goose season which follows the duck season, the west arm blind sites and east arm blind sites south of power lines shall be available for goose hunting and shall be allocated on a daily drawing basis to be held at 5:30 a.m. daily.)
- C) All hunting must be from registered blind sites only and hunters must occupy their blinds within one hour after registering at the check station.
- D) Upon vacating their blinds, hunters must place their completed harvest cards in the collection boxes located at either the east or west boatdock.
- E) There will be a duly posted waterfowl refuges. ~~These~~ areas shall be closed to all boat traffic except as allowed in Section 590.60(b)(25)(K) and boat fishing during the waterfowl season. Bank fishing along the dam shall be permitted.
- ~~F) A waterfowl refuge will be located on State land between the east and west arms of the lake. Additional refuges are located on waters from the junction of the center arm and the east arm of the lake north to the refuge area, the area adjacent to the power plant is utilized as a fly ash pond and the south portion of the west arm shall be duly designated as inviolate areas.~~
- ~~GE)~~ No more than 4 persons shall occupy a blind at one time.
- ~~HE)~~ Waterfowl hunting shall be permitted on State leased lands and waters in the Sangchris Lake State Park area, except in duly posted refuge areas, developed recreation areas, a minimum of 300 yards from all high lines and 500 feet from construction or industrial sites. The center arm of the lake shall be closed to all waterfowl hunting.
- ~~HI)~~ Blind sites shall be determined by the Department of Conservation and marked with a numbered stake. When it is deemed necessary, the Department of Conservation shall remove, move or close blind sites in order to carry out the operations of the overall management program.
- ~~II)~~ Hunters wishing to move to another blind location may do

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so after 10 a.m. providing they include the blind change on the harvest card and report their kill for each blind.

C) No permanent blinds or other structures may be constructed on the site.

~~KJ)~~ Access to blind sites shall be by boat only and from designated boat launch sites, ~~the West Hill Boat Launch and the East Harbor Boat Launch.~~ A corridor located north of the Middle Peninsula along the southern edge of the existing refuge will be established to provide access to either arm of the lake.

~~2731)~~ Shawnee National Forest, LaRue Scatters
A) All hunting must be by walking in or in boats without motors.
B) ~~Shooting~~ Hunting hours for all species in this area shall close at 12:00 Noon local time, except bow hunting for deer shall be permitted in accordance with statewide deer hunting hours (17 Ill. Adm. Code 670).

~~LK)~~ All hunting must be from 1 portable blind or 1 anchored portable boat blind located within a numbered cove and between the assigned numbered stakes. Portable blinds or boat blinds must have been completed, including final brushing, before entering the area, and removed at the end of each hunting day. Cutting of natural vegetation for any purpose is unlawful.

C) Permanent blinds shall not be constructed in this area and all equipment used in the taking of waterfowl must be removed at the end of each hunting day.

~~2832)~~ Shawnee National Forest, Oakwood Bottoms (Green Tree Reservoir west of the Big Muddy levee)

~~ML)~~ Crippled waterfowl that fall on land, other than areas designated as refuge, shall be retrieved by foot. However, no gun may be carried while attempting to recover such birds.

A) All hunting must be by walking into the area.

~~NM)~~ No pits or blinds shall be built on State leased or Commonwealth Edison land.

~~ON)~~ Blind sites: A position between two like numbered stakes within a cove where a blind may be located.

~~PO)~~ Corridor - Water travel lane, during waterfowl season only, for boating back and forth to blind sites.

~~QP)~~ Fishing shall be prohibited in the east and west arms of the lake during the period from 10 days prior to the duck season through the end of the duck season. Fishing shall be prohibited in the west arm of the lake and the east arm of the lake south of the power lines during that portion of the goose season that follows the duck season.

C) Permanent blinds shall not be constructed in this area and all equipment used in the taking of waterfowl must be removed at the end of each hunting day.

D) Each hunting party must hunt over a minimum of 12 decoys in Compartments 19, 20 and 21.

E) No person shall tamper with or attempt to manipulate any of the gates, pumps or structures in the sub-impoundment area.

~~2933)~~ Stephen A. Forbes

A) Daily hunting hours are legal open to 1:00 p.m.

B) On the main lake hunting is allowed from a boat blind only and must be within 100 yards of a staked location.

C) Only walk-in hunting is allowed in the sub-impoundment. Hunting must occur within 100 yards of a staked location.

D) Hunting shall be allowed on a first-come, first-served basis. All hunters must use 12 decoys, minimum.

~~34)~~ Sunspot Mine (Schuyler and Fulton Counties)

A) Goose hunting is prohibited.

B) ~~Shooting~~ Hunting hours: legal opening until noon.
Temporary blinds only, 200 yards apart.

A) No permanent blinds may be built.

B) Temporary blinds only, 200 yards apart.

~~2630)~~ Shawnee National Forest, Upper and Lower Bluff Lakes

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4035) Ten Mile Creek Fish and Wildlife Area

- A) Permit required.
- B) All blinds must be of portable nature or constructed with natural vegetation located at the blind site and must be removed or dismantled at the end of the day's hunt.
- C) No goose pits or permanent blinds shall be dug or built on State lands.
- D) The distance between waterfowl hunting parties or blind sites shall be no less than 200 yards.
- E) Waterfowl hunters must obtain permit prior to hunting.
- F) Each hunting party is required to hunt over a minimum of 12 decoys at each blind site, and all decoys must be picked up at the end of each day's hunt.
- G) Areas designated as REFUGE are closed to all access during the Canada Goose Season only. REFUGE designation has been given to all land in Unit I, and the 260 acre tract at the Western edge of Unit II.

4136) Union County (Firing Line Waterfowl Management Area)

- A) It shall be unlawful to take a gun beyond the posted boundary while retrieving crippled geese.
- B) This area shall be closed at 12 noon during the goose season.
- C) Hunters may not possess more than 5 shells for each Canada Goose allowed in the daily bag.
- D) Waterfowl hunting from staked sites only.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 590.70 Ohio River

a) Waterfowl hunting will be allowed on the Ohio River bordering Illinois. Season dates and bag limits are governed by the regulations which apply to the Southern Zone (590.10)(3)(31).

b) The following areas of the Ohio River shall be designated as waterfowl refuges and shall be closed to all hunting from October 15 through March 15:

- 1) The Ohio River from Smithland Lock and Dam upstream to a power line crossing the river at approximately River Mile 911.5 and Stewart Island.
- 2) The Ohio River in the vicinity of the Ballard Wildlife Management Area located in Ballard County, Kentucky, from a

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point fifty yards upstream from Dam 53, downstream to a line from the confluence of Hodge Creek to a point fifty yards downstream of the downstream boundary of the Ballard Wildlife Management Area.

(Source: Added at 17 Ill. Reg. _____, effective _____)

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1) HEADING OF THE PART: General Hunting and Trapping on Department-Owned or -Managed Sites

2) CODE CITATION: 17 Ill. Adm. Code 510

3) SECTION NUMBERS: PROPOSED ACTION:

510.10

Amendments

4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 1.13, 1.20, 2.1, 2.2, 2.6, 2.7, 2.9, 2.13, 2.18, 2.20, 2.24, 2.25, 2.26, 2.27, 2.28, 2.30, 2.33 and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 1.13, 1.20, 2.1, 2.2, 2.6, 2.7, 2.9, 2.13, 2.18, 2.20, 2.24, 2.25, 2.26, 2.27, 2.28, 2.30, 2.33 and 3.5) [520 ILCS 5/1.2, 5/1.3, 5/1.4, 5/1.13, 5/1.20, 5/2.1, 5/2.2, 5/2.6, 5/2.7, 5/2.9, 5/2.13, 5/2.18, 5/2.20, 5/2.24, 5/2.25, 5/2.26, 5/2.27, 5/2.28, 5/2.30, 5/2.33 and 5/3.5] and by Section 63a28 of The Civil Administrative Code of Illinois (Ill. Rev. Stat. 1991, ch. 127, par. 63a28) [20 ILCS 805/63a28].

5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED: These amendments authorize concessionaire-run controlled pheasant hunting on state sites, allow hunters to use dogs to retrieve game that falls in refuges or restricted areas and add language to clarify the blaze orange requirements for hunters.

6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART? No

10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

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Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFEPART 510
GENERAL HUNTING AND TRAPPING ON
DEPARTMENT-OWNED OR -MANAGED SITES

Section

510.10 General Site Regulations

510.20 Hunting and Trapping by Special Permit

AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 1.13, 1.20, 2.1, 2.2, 2.6, 2.7, 2.9, 2.13, 2.18, 2.20, 2.24, 2.25, 2.26, 2.27, 2.28, 2.30, 2.33 and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 1.13, 1.20, 2.1, 2.2, 2.6, 2.7, 2.9, 2.13, 2.18, 2.20, 2.24, 2.25, 2.26, 2.27, 2.28, 2.30, 2.33 and 3.5) [520 ILCS 5/1.2, 1.3, 1.4, 1.13, 1.20, 2.1, 2.2, 2.6, 2.7, 2.9, 2.13, 2.18, 2.20, 2.24, 2.25, 2.26, 2.27, 2.28, 2.30, 2.33 and 3.5] and by Section 63a28 of The Civil Administrative Code of Illinois (Ill. Rev. Stat. 1991, ch. 127, par. 63a28) [20 ILCS 805/63a28].

SOURCE: Adopted at 5 Ill. Reg. 8011, effective July 24, 1981; codified at 5 Ill. Reg. 10633; amended at 6 Ill. Reg. 9637, effective July 21, 1982; amended at 7 Ill. Reg. 10775, effective August 24, 1983; amended at 8 Ill. Reg. 13700, effective July 24, 1984, amended at 9 Ill. Reg. 11610, effective September 16, 1986; amended at 10 Ill. Reg. 15597, effective September 16, 1988; amended at 11 Ill. Reg. 9535, effective May 5, 1987; amended at 12 Ill. Reg. 11724, effective June 30, 1988; amended at 13 Ill. Reg. 10583, effective June 19, 1989; amended at 14 Ill. Reg. 14762, effective September 4, 1990; amended at 15 Ill. Reg. 9966, effective June 24, 1991; amended at 16 Ill. Reg. 11064, effective June 30, 1992; amended at 17 Ill. Reg. _____,

Section 510.10 General Site Regulations

a) Regulations

- 1) All applicable regulations found in the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2 et seq.) [520 ILCS 5/1.2 et seq.], federal regulations (50 CFR 1, effective September 30, 1985) and Department of Conservation (Department or DOC) Administrative Rules apply on any Department site.

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- 2) All the regulations cited in this Part apply to all Department species rules, unless the species rule is more restrictive.

b) Definitions:

- 1) Unauthorized person - any individual who is not a Department employee or an individual who is not present for the purpose of hunting or trapping.
- 2) Designated area - a defined location at a site with a set boundary within which only a specified recreational activity such as hunting or trapping may take place during a publicly announced time period.
- 3) Restricted area - a defined location at a site with a set boundary within which hunting and/or trapping is prohibited.
- 4) Refuge area - a defined location at a site with a set boundary within which no public activity or presence is allowed, except as authorized by the site superintendent, when it is determined that activity such as nature studies, hiking, fishing or camping would not be detrimental to the purpose of the refuge.
- 5) Adult - a person 18 years of age or older.
- c) It shall be unlawful:
 - 1) For any person to possess or consume any alcoholic beverage, including beer or wine, prior to or while on any site for the purpose of hunting or trapping.
 - 2) To hunt or trap on any site with a manned check station without first declaring game killed on a previous hunt and in possession either on the hunter's person or in his vehicle.
 - 3) To construct or use any tree stand using nails, screws or any device which pierces or cuts the bark of the tree on which it is installed. Any tree stand must be portable and must be removed at the end of each day, unless otherwise specified in 17 Ill. Adm. Code 650, 660, 670 and 680.

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- 4) To hunt or trap in restrictively posted areas, developed recreation areas, and within 100 yards of construction sites, residences, and developed recreation areas.
- 5) For unauthorized persons to use or occupy in any manner designated hunting areas during the permit hunting season, when authorized hunting is in progress.
- 6) To use any site when the site superintendent or his authorized representative determine and state that weather, water, equipment, or other conditions make the use of the site unsafe.
- 7) To hunt or trap outside designated areas at the site.
- 8) To trespass within a refuge.
- 9) To hunt or trap on any Department-owned or -managed land that is not open to hunting or trapping pursuant to applicable species rules (17 Ill. Adm. Code 530, 550, 570, 590, 650, 660, 670, 680, 690, 710, 715, 720, 730, and 740).
- 10) To buy, sell or commercialize hunting or trapping rights, directly or indirectly, except that this does not apply to Department of Conservation hunting or trapping fees or to the operation of controlled pheasant hunting on Department lands pursuant to a written concession agreement.
- 11) To hunt or trap without a valid permit where permits are required.
- 12) To enter a refuge or restricted area to retrieve wounded game unless authorized by the Department. Authorization may be obtained from any Department employee at the site. Authorization will be based upon person's apparent ability to retrieve game without dog-or-weapon-firearm or bow and arrow.

d) Specific Management Procedures

- 1) Specific management procedures will be posted at either check stations or site parking lots at the site so the procedures will be visible to the

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public.

- 2) Where there is a check station in operation, or where designated, hunters must sign in and/or sign out, and report their kill within fifteen minutes, or as posted, after completing their hunt. Some areas require the wearing of a back patch and depositing hunting license (or Firearm Owner's Identification card if the hunter is exempt from buying a license).
- 3) In the event that Department budget reductions or site staffing reductions make the operation of check stations impractical, state sites that now require check stations and other restrictive hunter regulations may be opened to statewide regulations or closed to hunting by posting such notice at the site.
- 4) At sites where windshield permits are issued, such permits must be displayed in a location visible through the windshield of the vehicle while hunting.
- 5) Department will have the authority to issue site specific deer permits in addition to any other deer permits issued by the Department (see Parts 650, 660, 670 and 680); and to designate the sex of deer (antlered or antlerless) that hunters may harvest through site-specific regulations.
- e) Only shotgun or bow and arrow shall be used for hunting unless otherwise specified.
- f) If hunter or trapper quotas are necessary at any site, the quotas will be determined at the discretion of the Department and posted at the site unless the public is notified by news release that the quota will be filled by drawing or special permit. Hunter and trapper quotas are determined by the formula 1 hunter or trapper per 10-40 acres. Acres are determined by but not limited to the biological studies on the number of the species available, the condition, topography and configuration of the land at the site, the condition of the roads at the site and the number of employees available to work at the site. All quotas are filled on a first-come, first-served basis unless the public is notified by public news release that the quota will be filled by a

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drawing or special permit. The Department shall use a special permit or drawing quota system whenever past hunter or trapper participation at a particular site reveals that the demand exceeds the quota established by the Department.

- g) During pheasant, rabbit, quail and partridge season, hunters and trappers are required to wear a cap and upper outer garment of solid and vivid blaze orange of at least 400 square inches while trapping, or hunting pheasant, quail, Hungarian partridge, rabbit, snipe, rail and woodcock. Trappers are required to wear a cap and upper outer garment of solid and vivid blaze orange during the upland game season on sites where upland game hunting is in progress.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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- 1) HEADING OF THE PART: Illinois List of Endangered and Threatened Flora

- 2) CODE CITATION: 17 Ill. Adm. Code 1050

- 3) SECTION NUMBERS: PROPOSED ACTION:

Amendments

1050.20

- 4) STATUTORY AUTHORITY: Implementing and authorized by Section 7 of the Illinois Endangered Species Protection Act (Ill. Rev. Stat. 1991, ch. 8, par. 337 [520 ILCS 10/7]).

- 5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED: These amendments will eliminate the prohibition against plants or plant products being sold in Illinois if the plant or product was legally obtained out-of-state.

- 6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

- 7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

- 8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

- 9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART? No

- 10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

- 11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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NOTICE OF PROPOSED AMENDMENTS

TITLE 17: CONSERVATION
CHAPTER 1: DEPARTMENT OF CONSERVATION
SUBCHAPTER C: ENDANGERED SPECIES

PART 1050

ILLINOIS LIST OF ENDANGERED AND THREATENED FLORA

Section	
1050.10	Official List
1050.20	Definitions
1050.25	Criteria Used For Listing
1050.30	Endangered Flora of Illinois
1050.40	Threatened Flora of Illinois

AUTHORITY: Implementing and authorized by Section 7 of the Illinois Endangered Species Protection Act (Ill. Rev. Stat. 1991, ch. 8, par. 337) [520 ILCS 10/7].

SOURCE: Adopted at 4 Ill. Reg. 22, p. 209; effective May 20, 1980 unless otherwise noted; amended at 5 Ill. Reg. 10293, effective September 30, 1981; codified at 6 Ill. Reg. 2593; amended at 8 Ill. Reg. 13713, effective July 25, 1984; amended at 13 Ill. Reg. 3755, effective March 13, 1989; amended at 14 Ill. Reg. 6123, effective April 17, 1990; amended at 17 Ill. Reg. _____, effective _____.

Section 1050.20

Definitions

To be in compliance with the Federal and State Endangered Species Acts, the following definitions apply:

Federally Endangered Species - Any species which is in danger of extinction throughout all or a significant portion of its range. (Denoted by two asterisks (**)) on adopted list.)

Federally Threatened Species - Any species which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range. (Denoted by one asterisk (*) on adopted list.)

State Endangered Species - Any species which is in danger of extinction in the wild in Illinois. Individual plants and plant products produced from non-wild sources or legally obtained out-of-state shall be exempt from the provisions of the Illinois Endangered Species Protection Act. Failure to establish proof that such plants or

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plant products were produced from non-wild sources or were legally obtained out-of-state shall be prima facie evidence that they came from the wild within Illinois and are subject to all applicable rules and regulations.

State Threatened Species - Any species which is likely to become endangered in the wild in Illinois within the foreseeable future.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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1) HEADING OF THE PART: Muskrat, Mink, Raccoon, Opossum, Striped Skunk, Weasel, Red Fox, Gray Fox, Coyote, Beaver and Woodchuck (Groundhog) Trapping

2) CODE CITATION: 17 Ill. Adm. Code 570

3) SECTION NUMBERS:
570.20
570.30
570.40
PROPOSED ACTION:
Amendments
Amendments

4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 2.30, 2.33, and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 2.30, 2.33 and 3.5) [520 ILCS 5/1.2, 5/1.3, 5/2.30, 5/2.33, and 5/3.5].

5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
The amendments to this Part change statewide season dates, legalize dog-proof traps on state sites and modify site regulations at some state sites.

6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART? No

10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:
Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

DEPARTMENT OF CONSERVATION

TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 570

MUSKRAT, MINK, RACCOON, OPOSSUM, STRIPED SKUNK,
WEASEL, RED FOX, GRAY FOX, COYOTE, BEAVER AND
WOODCHUCK (GROUNDHOG) TRAPPING

Section
570.10
570.20
570.30
570.40

Statewide Zones
Statewide Season Dates
Statewide Hours, Daily Limit and Possession Limit
Trapping Regulations on Department-Owned, -Leased or
-Managed Sites

AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 2.30, 2.33, and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 2.30, 2.33 and 3.5) [520 ILCS 5/1.2, 1.3, 2.30, 2.33, and 3.5].

SOURCE: Adopted at 5 Ill. Reg. 9767, effective September 17, 1981; codified at 5 Ill. Reg. 10637; amended at 6 Ill. Reg. 10709, effective August 20, 1982; amended at 7 Ill. Reg. 10778, effective August 24, 1983; amended at 8 Ill. Reg. 21589, effective October 23, 1984; amended at 9 Ill. Reg. 15864, effective October 7, 1985; amended at 10 Ill. Reg. 16644, effective September 24, 1986; amended at 12 Ill. Reg. 12034, effective July 7, 1988; emergency amendments at 12 Ill. Reg. 16261, effective September 23, 1988, for a maximum of 150 days; emergency expired February 20, 1989; amended at 13 Ill. Reg. 10589, effective June 15, 1989; amended at 14 Ill. Reg. 14775, effective September 4, 1990; amended at 14 Ill. Reg. 19854, effective December 3, 1990; amended at 15 Ill. Reg. 11586, effective August 2, 1991; amended at 16 Ill. Reg. 11069, effective June 30, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 570.20 Statewide Season Dates

- a) Muskrat, mink, raccoon, opossum, striped skunk and weasel
- 1) Northern Zone: November 5 through January 3.
- 2) Southern Zone: November 16¹⁵ through January 14¹³.
- b) Red fox, gray fox and coyote
- 1) Northern Zone: November 16¹⁵ through January 14¹³.

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- 2) Southern Zone: November 16¹⁵ through January 14¹³.

c) Beaver

- 1) Northern Zone: November 5 through March 31, except those portions of Carroll, Whiteside and Rock Island counties lying west of Illinois Rt. 84 from Interstate 80 north to the Jo Daviess County line will be open to beaver trapping only from November 5 through January 3, inclusive.

- 2) Southern Zone: November 16¹⁵ through March 31.

d) Woodchuck (Groundhog)

Northern and Southern Zones: June 1 through September 30.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 570.30 Statewide Hours, Daily Limit and Possession Limit

- a) Muskrat, mink, raccoon, opossum, striped skunk and weasel

- 1) Trapping hours: November 5 in the Northern Zone and November 16¹⁵ in the Southern Zone open for trapping at sunrise; January 3 in the Northern Zone and January 14¹³ in the Southern Zone closed for trapping after sunset; otherwise, hours are unrestricted.

- 2) Daily and possession limit: None

b) Red fox, gray fox and coyote

- 1) Trapping hours: November 16¹⁵ open for trapping at sunrise; January 3 in the northern zone and January 14¹³ in the southern zone closed for trapping after sunset; otherwise, hours are unrestricted.

- 2) Daily and possession limit: None

c) Beaver

- 1) Trapping hours: November 5 in the Northern Zone and November 16¹⁵ in the Southern Zone open for

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trapping at sunrise; March 31 closed for trapping after sunset except those portions of Carroll, Whiteside and Rock Island Counties lying west of Illinois Rt. 84 from Interstate 80 north to the Jo Daviess County line, are closed for trapping January 3 after sunset; otherwise, hours are unrestricted.

- 2) Daily and possession limit: None

d) Woodchuck (groundhog)

- 1) Trapping hours: June 1 open for trapping at sunrise; September 30 closed for trapping after sunset; otherwise hours are unrestricted.

- 2) Daily and possession limit: none.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 570.40 Trapping Regulations on Department-Owned, -Leased or -Managed Sites

a) General Regulations

- 1) All the regulations in 17 Ill. Adm. Code 510--General Hunting and Trapping apply in this Section, unless this Section is more restrictive.

- 2) On areas where special Department tags are issued to trappers, traps without tags attached will be subject to confiscation.

- 3) Trappers must stay within designated areas.

- 4) For sites where permits are required a drawing shall be held prior to the opening of the season. The date of the drawing shall be announced by the Department by news release and the drawing shall be held at the site. The number of permits per site shall be determined pursuant to 17 Ill. Adm. Code 510.20. Permit applicants must submit name and address to the site prior to drawing.

- 5) All sites except ~~Amaw-Leased Lands~~, ~~Lake Kincaid~~, ~~Kinkaid Lake Fish and Wildlife Area~~, ~~Mississippi River Pools 16, 17, 18, 21, 22, 24, Rend Lake~~

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jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets; after the close of the rabbit season foot-hold traps with a jaw spread of 7 1/2 inches or less may be used for water sets)

Carlyle Lake Wildlife Management Area (permit required; permit must be carried at all times when the trapper is on the area; water sets only; no trapping within 200 feet of developed recreation areas; no trapping in the subimpoundment area until after the close of the duck hunting season (the subimpoundment area is defined as that area bordered by the Kaskaskia River on the east and south and extending north and west to the Carlyle Lake project boundary and includes impoundment numbers 1, 2, 3 and 4); all traps used must be tagged with special Carlyle Lake trap tags which shall be issued at the site headquarters)

Clinton Lake Recreation Area (permit required; water sets only)

Coffeen Lake State Park (permit required; water sets only; no trapping during duck season)

Coleta Ponds (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets)

Dog Island Wildlife Management Area (permit required; water sets only)

Eldon Hazlet State Park - north of Allen Branch and west of Peppenhorst Branch only (permit required; water sets only)

Fort de Chartres Historical Site (permit required; water sets only)

Giant City State Park (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less may be used)

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Wildlife Management Area, Sangamon Fish and Wildlife Area, and Savanna Ordinance Depot and Sunspot Mine require trappers to submit a harvest report to the site superintendent within 20 days following the close of the trapping season. Failure to report shall result in the trapper being ineligible to trap at that site for the following year.

6) Egg Traps®, D-P (Dog-Proof) Traps®, and traps of similar design may be used for land sets and water sets. Sites listed in 570.40 b) that say "water sets only" do not prohibit the use of Egg Traps®, D-P (Dog-Proof) Traps® or traps of similar design on land unless so stated.

6Z) Any person who violates the site specific regulations shall be guilty of a Class B Misdemeanor.

b) Statewide regulations as provided for in this Part apply at the following sites (exceptions in parentheses), in addition, body gripping traps with a 10 inch jaw spread or larger must be totally submerged in water when set:

Amex-Leased-Lands

Anderson Lake Conservation Area (no trapping during duck season; permit required; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets; only box or cage-type traps may be used for land sets)

Argyle Lake State Park (permit required; water sets only; beaver trapping only; square body-gripping traps with 10 inch jaw spread only)

Banner Marsh State Fish and Wildlife Area (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less, foothold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used)

Big Bend Fish and Wildlife Area (permit required; water sets only; only body-gripping traps with a

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Hennepin Canal Parkway including Sinnissippi Lake (permit required; water sets designed to drown the animal only; trappers must register at park office; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets; no floats may be set more than 14 days prior to the season and must be removed at the conclusion of the season; Egg Traps, D-P Traps and traps of similar design are prohibited)

Horseshoe Lake Conservation Area (Alexander County) (permit required; water sets only)

I & M Canal (permit required; only box or cage-type traps may be used for land sets)

Johnson-Sauk Trail State Park (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used)

Kaskaskia River Fish and Wildlife Area (permit required; water sets only; Doza Creek Waterfowl Management Area closed three days prior to and during duck season)

Kidd Lake State Natural Area (permit required; water sets only)

Lake-Kinkaid Lake Fish and Wildlife Area

Lake Le-Aqua-Na State Park (permit required; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets; only box or cage-type traps may be used for land sets)

Lake Shelbyville Eagle Creek Wildlife Management Area (permit required; current or previous year's Illinois trapping license required to enter drawing; no more than 50 traps may be used per

permit; all traps must be tagged with the letters ECWA and the year; permit must be in possession when on the area for trapping purposes; only body-gripping traps with a jaw spread of 5 inches or less or foot-hold traps with a jaw spread of 4 1/2 inches or less may be used for land sets; square body-gripping traps with a 10 inch jaw spread may be used for water sets; beaver trapping closes at the end of the muskrat season)

Lake Shelbyville West Okaw and Kaskaskia Fish and Wildlife Area (permit required; current or previous year's Illinois trapping license required to enter drawing; no more than 50 traps may be used per permit; no trapping in Fish Hook, Jonathan Creek, Dunn or McGee Waterfowl Areas during waterfowl season; all traps must be tagged with the letters SFWA and the year; only body-gripping traps with a jaw spread of 5 inches or less or foot-hold traps with a jaw spread of 4 1/2 inches or less may be used for land sets; square body-gripping traps with a 10 inch jaw spread may be used for water sets; beaver trapping closes at the end of muskrat season)

Mackinaw River State Fish and Wildlife Area (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets)

Marshall County Fish and Wildlife Area (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets; no trapping during duck season)

Mormon Lake Fish and Wildlife Area (permit required; water sets only)

Mississippi Palisades State Park (permit required; water sets only; beaver trapping only; square body-gripping traps with 10 inch jaw spread only)

Mississippi River Pools 16, 17, 18, 21, 22, 24

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Mississippi River Pools 25, 26 (permit required; water sets only; no trapping during waterfowl season)

Moraine Hills State Park (permit required; no more than two persons may enter drawing on a single card; current or previous year's Illinois trapping license required to enter drawing; trapping limited to Wildlife Area only; only muskrats may be taken; all traps must be water sets only; furthermore, only bodygripping traps with a jaw spread of 5 inches or less may be used)

Morrison Rockwood State Park (permit required; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets; only box or cage-type traps may be used for land sets)

Panther Creek Conservation Area

Pyramid State Park (permit required; water sets only)

Randolph County Conservation Area (permit required; water sets only)

Rend Lake Project Lands and Waters (water sets only)

Rice Lake Fish and Wildlife Area (no trapping during duck season; permit required; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets; only box- or cage-type traps may be used for land sets)

Rock Cut State Park (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets)

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Sanganois Fish and Wildlife Area (no trapping in designated duck rest areas during the duck season)

Sangchris Lake Fish and Wildlife Area (permit required; water sets only; no trapping during duck season)

Savanna Ordnance Depot (trapping area includes the islands and associated backwater sloughs immediately upstream from Lock and Dam 12; no trapping on mainland)

Shabbona Lake State Park (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets)

Sparland Fish and Wildlife Area (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets; no trapping during duck season)

Spring Lake Conservation Area (permit required; water sets only; only body-gripping traps with a jaw spread of 5 inches or less, foot-hold traps with a jaw spread of 4 1/2 inches or less and square body-gripping traps with a 10 inch jaw spread may be used for water sets; no trapping during duck season)

Sunspot Mine (Fulton and Schuyler Counties)

Ten Mile Creek State Fish and Wildlife Area (permit required; water sets only; areas designated as Refuge are closed to all access during Canada Goose Season only; permits must be returned to the site office; District Wildlife Manager, P.O. Box 313, Olney, IL 62450 by March 15)

Turkey Bluffs Fish and Wildlife Area (permit required; water sets only)

Union County Conservation Area (permit required;

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water sets only)

Washington County Conservation Area (permit required; water sets only)

Trapping is prohibited on all other Department-Owned, leased or -managed sites except by special permit which shall be issued by the Department when it is determined that the harvest of a species would enhance the biological balance of the resource.

- 1) All regulations shall be according to species regulations as provided for in this Part.
- 2) Permit application information and site specific regulations shall be announced publicly by the Department through the news media by September 1 of each year.

- 3) Site specific regulations shall be listed on the application and permit and posted at the site.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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- 1) HEADING OF THE PART: Raccoon, Opossum, Striped Skunk, Red Fox, Gray Fox, Coyote and Woodchuck (Groundhog) Hunting

- 2) CODE CITATION: 17 Ill. Adm. Code 550

- 3) SECTION NUMBERS:
PROPOSED ACTION:
 Amendments
 Amendments
 Amendments

550.10
 550.20
 550.30

- 4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.1, 2.2, 2.6, 2.7, 2.30, 2.33, 3.5, 3.27, 3.28, and 3.29 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.3, 1.4, 1.13, 2.1, 2.2, 2.6, 2.7, 2.30, 2.33, 3.5, 3.27, 3.28, and 3.29) [520 ILCS 5/1.3, 5/1.4, 5/1.13, 5/2.1, 5/2.2, 5/2.6, 5/2.7, 5/2.30, 5/2.33, 5/3.5, 5/3.27, 5/3.28, and 5/3.29].

- 5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
 The amendments to this Part change statewide season dates, open two additional sites and close one site to furbearer hunting and modify site specific seasons and regulations at sites.

- 6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

- 7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

- 8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

- 9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART?
 No

- 10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

- 11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

Jack Price
 Department of Conservation
 524 S. Second Street, Room 485
 Springfield, IL 62701-1787

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- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 550

RACCOON, OPOSSUM, STRIPED SKUNK, RED FOX,
GRAY FOX, COYOTE AND WOODCHUCK (GROUNDHOG) HUNTING

Section

550.10 General Regulations
550.20 Statewide Regulations
550.30 Raccoon, Opossum, Striped Skunk, Red Fox, Gray Fox,
Coyote and Woodchuck (Groundhog) Hunting on
Department-Owned, -Leased or
-Managed Sites

AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.1, 2.2, 2.6, 2.7, 2.30, 2.33, 3.5, 3.27, 3.28, and 3.29 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.3, 1.4, 1.13, 2.1, 2.2, 2.6, 2.7, 2.30, 2.33, 3.5, 3.27, 3.28, and 3.29) [520 ILCS 5/1.3, 1.4, 1.13, 2.1, 2.2, 2.6, 2.7, 2.30, 2.33, 3.5, 3.27, 3.28, and 3.29].

SOURCE: 5 Ill. Reg. 8833, effective August 25, 1981; codified at 5 Ill. Reg. 10636; emergency amendment at 5 Ill. Reg. 11593, effective October 20, 1981, for a maximum of 150 days; amended at 6 Ill. Reg. 10714, effective August 20, 1982; amended at 7 Ill. Reg. 10782, effective August 24, 1983; amended at 7 Ill. Reg. 16098, effective November 22, 1983; amended at 8 Ill. Reg. 21593, effective October 23, 1984; amended at 9 Ill. Reg. 16204, effective October 9, 1985; emergency amendments at 9 Ill. Reg. 18151, effective November 12, 1985, for a maximum of 150 days; amended at 10 Ill. Reg. 16649, effective September 22, 1986; amended at 11 Ill. Reg. 9540, effective May 5, 1987; amended at 12 Ill. Reg. 11730, effective June 30, 1988; amended at 13 Ill. Reg. 10598, effective June 19, 1989; amended at 14 Ill. Reg. 10798, effective June 20, 1990; amended at 15 Ill. Reg. 11598, effective August 2, 1991; amended at 16 Ill. Reg. 11078, effective June 30, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 550.10 General Regulations

- a) It is unlawful to hunt raccoon, opossum, striped skunk, red fox, gray fox, coyote and woodchuck (groundhog) in counties open for deer hunting during the firearm deer hunting season as specified in 17 Ill. Adm. Code 650.10, except coyotes may be taken during legal deer hunting hours, only with a shotgun loaded with slugs or a

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muzzle-loading firearm, and only by persons in possession of a valid unfilled firearms deer permit, during the firearm deer season as specified in 17 Ill. Adm. Code 650.10.

- b) ~~Sheeting~~Game breeding and licensed hunting preserve areas licensed pursuant to Section 3.27 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, par. 3.27) and managed pursuant to Sections 3.28 and 3.29 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 3.28 and 3.29) are exempt from the provisions of this Part.

(Source: Amended at 17 Ill. Reg. _____ effective _____)

Section 550.20 Statewide Regulations

a) Raccoon, Opossum

- 1) Zones: The State of Illinois is divided by U. S. Rt. 36 (New Rt. 36) into a Northern Zone and Southern Zone.
- 2) Northern Zone hunting dates: November 5 through January ~~18~~⁷~~20~~, except as noted in Section 550.10(a) above.
- 3) Southern Zone hunting dates: November ~~16~~¹⁵ through January ~~29~~³⁰, except as noted in Section 550.10(a) above.

- 4) Hunting hours: November 5 in the Northern Zone and November ~~16~~¹⁵ in the Southern Zone open for hunting at sunrise; during archery deer season, raccoon and opossum bow hunting hours shall coincide with the statewide archery deer hunting hours; otherwise, hours are unrestricted. Section 2.26 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, par. 2.26) [520 ILCS 5/2.26].

- 5) Daily limit and possession limit: None.

b) Red fox and gray fox

- 1) Hunting dates: November ~~16~~¹⁵ through January 31, except as noted in Section 550.10(a) above.
- 2) Hunting hours: Opens November ~~16~~¹⁵ for hunting at

sunrise; during archery deer season, red fox and gray fox bow hunting hours shall coincide with the statewide archery deer hunting hours; otherwise, hours are unrestricted.

- 3) Daily limit and possession limit: None.

c) Coyote and Striped Skunk

- 1) Hunting dates: Year around except as noted in Section 550.10(a) above.
- 2) Hunting hours: One-half hour before sunrise to sunset, except during the red fox and gray fox hunting season when statewide hunting hours are unrestricted, and except during archery deer season when coyote and striped skunk bow hunting hours shall coincide with the statewide archery deer hunting hours.
- 3) Daily limit and possession limit: None.

d) Woodchuck (groundhog)

- 1) Hunting dates: June 1 through the next following March 31, except as noted in Section 550.10(a) above.
- 2) Hunting hours: Sunrise to sunset.
- 3) Daily limit and possession limit: None.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 550.30 Raccoon, Opossum, Striped Skunk, Red Fox, Gray Fox, Coyote and Woodchuck (Groundhog) Hunting on Department-Owned, -Leased or -Managed Sites.

- a) All the regulations in 17 Ill. Adm. Code 510--General Hunting and Trapping apply in this Section, unless this Section is more restrictive.

- b) For sites where permits are required a drawing shall be held prior to the opening of the season. The date of the drawing shall be announced by the Department by news release and the drawing shall be held at the site. The number of permits per site shall be determined pursuant

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to 17 Ill. Adm. Code 510.20. For those sites which require a harvest report to be submitted following the close of hunting season, failure to report shall result in the hunter being ineligible to hunt at that site for the following year.

- c) Statewide regulations as provided for in this rule apply at the following sites (exceptions are in parentheses):

~~Amox Leased Lands (.22 rimfire firearms may be used from sunset to sunrise)~~

Anderson Lake Conservation Area (coyote and striped skunk season shall coincide with statewide fox season; all hunting to begin after the close of regular waterfowl-duck season; .22 rimfire firearms may be used from sunset to sunrise)

Argyle Lake State Park (coyote and striped skunk season shall coincide with statewide fox season; .22 rimfire firearms may be used from sunset to sunrise)

Banner Marsh State Fish and Wildlife Area (coyote only; shotgun and archery only; season to coincide with the site where white-rabbit game is hunted (See Section 530.10(b) and Section 530.20(b)) and site archery deer hunting seasons (See Section 670.10))

Big Bend Conservation Area (coyote and striped skunk season shall coincide with statewide fox season; .22 rimfire firearms may be used from sunset to sunrise)

Big River State Forest (coyote and striped skunk season shall coincide with statewide fox season; .22 rimfire firearms may be used from sunset to sunrise)

Campbell Pond Wildlife Management Area

Cache River State Natural Area (coyote and striped skunk season to coincide with statewide fox season)

Carlyle Lake Lands and Waters - Corps of Engineers managed lands (coyote and striped skunk season shall coincide with statewide fox season; no

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woodchuck hunting)

Carlyle Lake Wildlife Management Area (Waterfowl Management Area is closed during the waterfowl season; coyote and striped skunk season shall coincide with statewide fox season; no woodchuck hunting; .22 rimfire firearms may be used from sunset to sunrise)

Chauncey Marsh (permit required, may be obtained at Red Hills State Park headquarters; no hunting in dedicated Nature Preserve; return permit by February 15; .22 rimfire firearms may be used from sunset to sunrise; no woodchuck hunting; coyote and striped skunk season coincides with statewide fox season.)

Crawford County Conservation Area (Permit required; coyote and striped skunk season shall coincide with statewide fox season; no woodchuck hunting; .22 rimfire firearms may be used from sunset to sunrise)

Dog Island Wildlife Management Area

Eldon Hazlet State Park north of Allen Branch and west of Peppenhorst Branch (no woodchuck hunting; coyote and striped skunk season shall coincide with statewide fox season)

Fort de Chartres Historic Site (raccoon and opossum hunting only; hunting with muzzle-loading firearms only)

Green River State Wildlife Area (Lee County Conservation Area) (permit required; raccoon, fox and coyote hunting only; raccoon and fox season January 1 through the end of the statewide season; coyote season January 1-15 - February 28; .22 rimfire firearms permitted)

I-24 Wildlife Management Area

Iroquois County Conservation Area (Raccoon, opossum and coyote only; raccoon and opossum hunting permitted after close of permit pheasant season, permit required, .22 rimfire firearms may be used, hunting hours sunset to sunrise only; coyote

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hunting permitted as prescribed in Section 550.10(a) and sunrise to sunset from the end of permit pheasant season to January 31 and sunset to sunrise from end of permit pheasant season to end of fox season during which time .22 rimfire firearms may be used to take coyotes, free permit required)

Kankakee River State Park (raccoon and opossum hunting: .22 rimfire firearms may be used; hunting hours are sunset to sunrise; permit valid for designated night(s) only; person issued permit must be present to hunt or permit is void; permittee may take up to three hunting partners along; permit valid from sunset on designated date to sunrise the following day; hunters must report harvest to site superintendent by December 31; hunting is allowed only from statewide opening to sunrise on Wednesday prior to second firearm deer season, except as noted in Section 550.10(a); fox and coyote hunting - hunting allowed only from the day after the permit pheasant season closes through January 31; hunting hours are 4:00 a.m. to 8:00 p.m.; hunters must check out and report harvest prior to leaving site; hunters must obtain free season permits from site office prior to hunting)

Kaskaskia River Fish and Wildlife Area (Doza Creek Waterfowl Management Area closed 3 days prior to and during duck season; .22 rimfire firearms permitted from sunset to sunrise; coyote and striped skunk season shall coincide with statewide fox season; no woodchuck hunting)

Kickapoo State Park (raccoon, opossum and coyote only; raccoon and opossum hunting hours sunset to sunrise only, permit required, obtain from site office, .22 rimfire firearms may be used; coyote hunting permitted as prescribed in Section 550.10(a), and 8:00 a.m. to 4:00 p.m. daily during the statewide rabbit season, and sunset to sunrise from start of fox season to January 15, .22 rimfire firearms may be used to take coyote sunset to sunrise, permit required, obtain from site office. All permits must be returned and harvest reported by February 15 to the Park Office, R.R. 1, Box 374, Oakwood, IL 61858)

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Kidd Lake State Natural Area (.22 rimfire firearms may be used from sunset to sunrise; coyote and striped skunk season shall coincide with statewide fox season; no woodchuck hunting)

Lake-Kinkaid Lake Fish and Wildlife Area

Lake Shelbyville - Kaskaskia and West Okaw Fish and Wildlife Area (night hunters must obtain a permit; .22 rimfire firearms may be used for taking raccoon, striped skunk, and opossum from sunset to sunrise only; no woodchuck hunting; coyote and striped skunk season to coincide with statewide fox season)

Lincoln Trail State Park (raccoon hunting only, .22 rimfire firearms may be used, hunting hours sunset to sunrise only, permit required, obtain from site office; hunters must report harvest to site superintendent by December 31; hunting season from sunset November 23 to sunrise December 2-1 and sunset December 7 to sunrise December 21-20)

Marseilles Conservation Area (no night hunting; fox and coyote hunting only; fox season January 1 - state closing; coyote January 1 - February 28; .22 rimfire firearms permitted)

Marshall State Fish and Wildlife Area (raccoon and opossum only may be hunted; .22 rimfire firearms may be used from sunset to sunrise)

Middlefork Fish and Wildlife Area (raccoon, opossum and coyote only; raccoon and opossum hunting hours sunset to sunrise only, permit required, obtain from site office, .22 rimfire firearms may be used; coyote hunting permitted as prescribed in Section 550.10(a), and 8:00 a.m. to 4:00 p.m. daily during the statewide rabbit season, and sunset to sunrise from start of fox season to January 15, .22 rimfire firearms may be used to take coyote sunset to sunrise, permit required, obtain from site office. All permits must be returned and harvest reported by February 15 to the Park Office, R.R. 1, Box 374, Oakwood, IL 61858)

Mississippi River Pools 16, 17, 18 (hunting not permitted in developed areas; .22 rimfire firearms

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permitted)

Mississippi River Pools 21, 22, 24, 25, 26 (.22 rimfire firearms permitted; hunting not permitted within 300 ft. of any legal waterfowl blind or in developed areas during waterfowl season)

Oakford Conservation Area (.22 rimfire firearms permitted from sunset to sunrise)

Panther Creek Conservation Area (.22 rimfire firearms permitted; coyote and striped skunk season shall coincide with statewide fox season; no woodchuck hunting)

Pike County Conservation Area (all hunting closes November 30 in Area A; all hunting closes December 15 in Area C; .22 rimfire firearms permitted)

Ramsey Lake State Park (permits required; coyote and striped skunk season shall coincide with statewide fox season; .22 rimfire firearms may be used from sunset to sunrise)

Randolph County Conservation Area (.22 rimfire firearms may be used from sunset to sunrise; coyote and striped skunk season shall coincide with statewide fox season; no woodchuck hunting)

Rend Lake Project Lands and Waters

Reekhouse Creek (Monroe County)

Saline County Conservation Area (hunting north of the township road only; coyote and striped skunk season to coincide with the statewide fox season; .22 rimfire firearms may be used from sunset to sunrise)

Sand Ridge State Forest (permit required; raccoon and opossum season dates shall coincide with trapping season; coyote and striped skunk season shall coincide with statewide fox season; .22 rimfire firearms permitted)

Sangamon County Conservation Area

Sangamon County Conservation Area (hunting prohibited)

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within 300 ft. of legal blinds or developed areas; .22 rimfire firearms may be used from sunset to sunrise)

Sangchris Lake State Park (fox and coyote hunting only; hunting is prohibited within 200 yards of developed areas such as picnic and camping areas; hunters pursuing upland game, waterfowl, or deer in accordance with site-specific regulations set forth in 17 Ill. Adm. Code 530, 590, 650, 660 and 670, respectively, may take fox and coyote hunting the statewide seasons for fox and coyote hunting. In addition, fox and coyote may be taken during statewide hunting hours from the end of the goose hunting season in the central zone to the end of the statewide fox hunting season; coyotes may be taken from ~~one-half hour before sunrise to sunset~~ ~~from the close of the statewide fox season through March 31~~; any fox or coyote taken must be removed from the site; hunters must report harvest at site office)

Shawnee National Forest, LaRue Scatters (season closes 3 days before opening of ~~waterfowl~~ ~~duck~~ season and remains closed through the ~~waterfowl~~ ~~duck~~ season; ~~hunting hours are sunrise to noon~~)

Shawnee National Forest, Oakwood Bottoms (Greentree Reservoir west of the Big Muddy Levee, season closes 3 days before opening of ~~waterfowl~~ ~~duck~~ season and remains closed through the ~~waterfowl~~ ~~duck~~ season; ~~hunting hours are sunrise to noon~~; ~~steel~~ ~~non-toxic~~ shot only as defined in Section 590.10(d))

Siloam Springs State Park (coyote and striped skunk only; season will coincide with statewide archery deer season, for archers only; and second firearm season, shotgun only.)

Silver Springs State Park (fox and coyote hunting only; season opens the day after pheasant season closes; hunting hours are 4:00 a.m. to 8:00 p.m. through January 31; coyote season closes March 1; hunters must check in and check out and report harvest prior to leaving site)

Site M (coyote hunting will be allowed as announced

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by the Department)

Stephen A. Forbes State Park (permits required; coyote and striped skunk season shall coincide with statewide fox season; .22 rimfire firearms may be used from sunset to sunrise)

Sunspot Mine (Fulton and Schuyler Counties) (.22 rimfire firearms may be used from sunset to sunrise)

Tapley Woods State Natural Area (muzzle-loading rifles and .22 rimfire firearms may be used from sunset to sunrise; coyote and striped skunk season shall coincide with statewide fox season)

Ten Mile Creek State Fish and Wildlife Area (permit required; .22 rimfire firearms may be used from sunset to sunrise; parking cards must be displayed in windshield; permits must be returned by February 15 to the District Wildlife Manager, 700B West Lafayette, P.O. Box 313, Olney, IL 62450; areas designated as Refuge are closed to all access during Canada Goose Season only)

Trajl of Tears State Forest (.22 rimfire firearms may be used from sunset to sunrise; coyote and striped skunk season shall coincide with statewide fox season; permit required, obtain from site office; permit must be returned and harvest reported by February 15 to the Park Office, R.R. 1, Box 1331, Jonesboro, IL 62952)

Turkey Bluffs Fish and Wildlife Area (permit required for night hunting; .22 rimfire firearms may be used from sunset to sunrise; coyote and striped skunk season shall coincide with statewide fox season; no woodchuck hunting)

Walnut Point Fish and Wildlife Area (raccoon hunting only; .22 rimfire firearms may be used; hunting hours are sunset to sunrise; permit required; hunters must report harvest to the site superintendent by December 31; hunting allowed November 23-22 to sunrise on the Wednesday prior to the second firearm deer season and from sunset December 7-6 to sunrise December 24-20)

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Washington County Conservation Area (permit required; coyote and striped skunk season shall coincide with statewide fox season; no woodchuck hunting)

Weinberg King State Park (permit required; coyote and striped skunk season shall coincide with statewide fox season; no woodchuck hunting)

Wildcat Hollow State Park (.22 rimfire firearms may be used from sunset to sunrise; coyote and striped skunk season shall coincide with statewide fox season)

Woodford County Conservation Area (raccoon and opossum hunting only; hunters must register, season opens after waterfowl season closes; .22 rimfire firearms may be used from sunset to sunrise only)

d) Statewide regulations as provided for in this part apply at the following sites (exceptions noted in parentheses). In addition, hunters must obtain a permit from respective site office. Permits must be in possession while hunting. The permit must be returned and harvest reported by February 15. Coyote and skunk season shall coincide with statewide fox season. No woodchuck hunting is permitted.

Clinton Lake (.22 rimfire firearms may be used for taking raccoon, striped skunk and opossum from sunset to sunrise)

Eagle Creek State Park (no night hunting)

Fox Ridge State Park (.22 rimfire firearms may be used for taking raccoon, striped skunk and opossum from sunset to sunrise)

Hidden Springs State Park (.22 rimfire firearms may be used for taking raccoon, striped skunk and opossum from sunset to sunrise)

Lake Shelbyville Eagle Creek Wildlife Management Area (.22 rimfire firearms may be used for taking raccoon, striped skunk and opossum from sunset to sunrise)

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(Source: Amended at 17 Ill. Reg. _____, effective _____)

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- 1) HEADING OF THE PART: Sport Fishing Regulations for the Waters of Illinois
- 2) CODE CITATION: 17 Ill. Adm. Code 810
- 3) SECTION NUMBERS: 810.45
PROPOSED ACTION: Amendment
- 4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5 of the Fish and Aquatic Life Code (Ill. Rev. Stat. 1991, ch. 56, pars. 1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5) [515 ILCS 5/1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5]
- 5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
In Section 810.45, "Apple River (within the boundaries of Apple River Canyon State Park)" is being added to regulate the taking of smallmouth bass at that site. This segment of the Apple River was stocked in 1989, 1990 and 1991 with fingerling smallmouth bass in an effort to restore the fishery impacted by pollution fish kills which have occurred in 1980, 1981 and 1989. The restorative efforts have resulted in the establishment of an excellent population of 1, 2 and 3 year old smallmouth bass which range in size from 3.5 to 11.5 inches. The population has reached a point where exploitation by fishing has the potential to adversely impact the fishery within the park.
- 6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? Yes
Section Numbers 810.45
Proposed Action Illinois Register Citation Amendment
- 7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No
- 8) DOES THIS PROPOSED AMENDMENT CONTAIN INCORPORATIONS BY REFERENCE? No
- 9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART? No

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10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENT BEGINS ON THE NEXT PAGE:

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TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 810

SPORT FISHING REGULATIONS FOR THE WATERS OF ILLINOIS

Section
810.10
810.20
810.30
810.35
810.37
810.40
810.45
810.50
810.60
810.70
810.80
810.90
810.100

Sale of Fish and Fishing Seasons
Snagging
Pole and Line Fishing Only (Repealed)
Statewide Sportfishing Regulations - Daily Catch and Size Limits
Definitions for Site Specific Sportfishing Regulations
Daily Catch and Size Limits (Repealed)
Site Specific Water Area Regulations
Bait Fishing
Bullfrogs
Free Fishing Days
Emergency Protective Regulations
Fishing Tournament Permit
Bed Protection

AUTHORITY: Implementing and authorized by Sections 1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5 of the Fish and Aquatic Life Code (Ill. Rev. Stat. 1991, ch. 56, pars. 1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5) [515 ILCS 5/1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5]

SOURCE: Adopted at 5 Ill. Reg. 751, effective January 8, 1981; codified at 5 Ill. Reg. 10647; amended at 6 Ill. Reg. 342, effective December 23, 1981, amended at 6 Ill. Reg. 7411, effective June 11, 1982; amended at 7 Ill. Reg. 209, effective December 22, 1982; amended at 8 Ill. Reg. 1564, effective January 23, 1984; amended at 8 Ill. Reg. 16769, effective August 30, 1984; amended at 9 Ill. Reg. 2916, effective February 26, 1985; emergency amendments at 9 Ill. Reg. 3826, effective March 13, 1985, for a maximum of 150 days; emergency expired August 10, 1986; amended at 9 Ill. Reg. 6181, effective April 24, 1986; amended at 9 Ill. Reg. 14291, effective September 5, 1985; amended at 10 Ill. Reg. 4835, effective March 6, 1986; amended at 11 Ill. Reg. 4638, effective March 10, 1987; amended at 12 Ill. Reg. 5306, effective March 8, 1988; emergency amendments at 12 Ill. Reg. 6981, effective April 4, 1988, for a maximum of 150 days; emergency expired September 1, 1988; emergency amendments at 12 Ill. Reg. 10525, effective June 7, 1988, for a maximum of 150 days; emergency expired November 4, 1988; amended at 12 Ill. Reg. 15982, effective September 27, 1988; amended at 13 Ill. Reg. 8419, effective May 19, 1989; emergency amendments at 13 Ill. Reg. 12613, effective July 14, 1989, for a maximum of 150 days; emergency expired December 11, 1989; emergency amendments at 13 Ill. Reg. 14086, effective September 4, 1989, for a maximum of 150 days; emergency expired February 1, 1990; emergency amendments at 13 Ill. Reg. 15118, effective September 11, 1989, for a maximum of 150 days; emergency expired February 8, 1990; amended at 14 Ill. Reg. 6164, effective April 17, 1990; emergency amendments at 14 Ill. Reg. 6865, effective April 17, 1990, for a maximum of 150 days; emergency expired September 19, 1990; amended at 14 Ill. Reg. 8563, effective May 21, 1990; amended at 14 Ill. Reg. 10863, effective October 1, 1990; amended at 15 Ill.

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Reg. 4699, effective March 18, 1991; emergency amendments at 15 Ill. Reg. 5430, effective March 27, 1991 for a maximum of 150 days; emergency expired August 24, 1991; amended at 15 Ill. Reg. 9977, effective June 24, 1991; amended at 15 Ill. Reg. 13347, effective September 3, 1991; amended at 16 Ill. Reg. 5267, effective March 20, 1992; emergency amendments at 16 Ill. Reg. 6016, effective March 25, 1992, for a maximum of 150 days; emergency expired August 22, 1992; amended at 16 Ill. Reg. 12526, effective July 28, 1992; amended at 17 Ill. Reg. 3853, effective March 15, 1993; emergency amendment at 17 Ill. Reg. 5917, effective Mar. 25, 1993 for a maximum of 150 days; amended at 17 Ill. Reg. , effective , effective

Section 810.45 Site Specific Water Area Regulations

Fishing regulations, including species of fish, fishing methods and daily catch limits are listed for each water area. The numbers in parenthesis refer to the corresponding numbered definitions in Section 810.37 of this Part. If a water area is not listed or if a specific species is not listed, then state-wide restrictions apply. Check the bulletin boards at the specific site for any emergency changes to regulations.

Allison Lake, City of Allison		
Logan County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish		
Andover Lake, City of Andover		
Henry County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish		
Apple River (within the boundaries of Apple River Canyon State Park)		
Jo Daviess County	-	14" Minimum Length Limit
Smallmouth Bass	-	1 Fish Daily Creel Limit
Smallmouth Bass		
Argyle Lake, Argyle Lake State Park		
McDonough County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	1 Fish > 15" &/or 5 < 12" Daily (12)
Large or Smallmouth Bass (14)	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid		
Walleye		
Ashland City Reservoir, City of Ashland		
Cass County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	15" Minimum Length Limit
Large or Smallmouth Bass		
Ashley Reservoir, City of Ashley		
Washington County	-	2 Pole and Line Fishing Only (1)
All Fish		

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Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	15" Minimum Length Limit
Auburn Park Lagoon, Chicago Park District		
Cook County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish		
Baker Lake, City of Peru		
LaSalle County	-	2 Pole and Line Fishing Only (1)
All Fish	-	10 Fish Daily Creel Limit
Bluegill or Redear Sunfish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	1 Fish Daily Creel Limit
Large or Smallmouth Bass (14)		
Baldwin Lake, Baldwin Lake Conservation Area		
Randolph County	-	2 Pole and Line Fishing Only (1)(28)
All Fish	-	18" Minimum Length Limit
Large or Smallmouth Bass	-	17" Minimum Length Limit
Striped, White, or Hybrid		
Striped Bass	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	25 Fish Daily Creel Limit
Striped Bass (16)		
White, Black, or Hybrid	-	9" Minimum Length Limit
Crappie (15)		
White, Black, or Hybrid		
Crappie		
Banana Lake, Lake County Forest Preserve District		
Lake County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	1 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	15" Minimum Length Limit
Large or Smallmouth Bass		
Banner Marsh Lake & Ponds, Banner Marsh State Fish and Wildlife Area		
Peoria/Fulton Counties	-	2 Pole and Line Fishing Only (1)(7)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	1 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid		
Walleye		
Bay Creek Lake, U.S. Forest Service		
Pope County	-	2 Pole and Line Fishing Only (1)
All Fish		

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Channel Catfish	6 Fish Daily Creel Limit
Beall Woods Lake, Beall Woods Conservation Area White County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	15" Minimum Length Limit
Beaver Dam Lake, Beaver Dam State Park Macoupin County	
All Fish	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14)	25 Fish Daily Creel Limit
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	15" Minimum Length Limit
Large or Smallmouth Bass (14)	3 Fish Daily Creel Limit
White, Black, or Hybrid	
Crappie (15)	10 Fish Daily Creel Limit
White, Black, or Hybrid	
Crappie	9" Minimum Length Limit
Borah Lake, City of Olney Richland County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	14" Minimum Length Limit
Braidwood-Mazonia Lakes and Ponds, Mazonia-Braidwood State Fish and Wildlife Area Grundy/Will County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	15" Minimum Length Limit
Large or Smallmouth Bass (14)	3 Fish Daily Creel Limit
Striped, White, or Hybrid	
Crappie (15)	17" Minimum Length Limit
Striped, White, or Hybrid	
Striped Bass (16)	3 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid	
Walleye	14" Minimum Length Limit
White, Black, or Hybrid	
Crappie (15)	10 Fish Daily Creel Limit
Buckner City Reservoir, City of Buckner Franklin County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Bunker Hill Lake, City of Bunker Hill Macoupin County	

DEPARTMENT OF CONSERVATION

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All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Burrells Wood Park Pond White County	
Channel Catfish	6 Fish Daily Creel Limit
Busse Lake, Cook County Forest Preserve Cook County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid	
Walleye	16" Minimum Length Limit
Carlyle Lake (20), U.S. Army Corps of Engineers Clinton County	
Large or Smallmouth Bass	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	
Walleye	14" Minimum Length Limit
White, Black, or Hybrid	
Crappie (15)	10 Fish Daily Creel Limit
White, Black, or Hybrid	
Crappie	10" Minimum Length Limit
Carthage Lake, City of Carthage Hancock County	
Channel Catfish	6 Fish Daily Creel Limit
Cedar Lake, U.S. Forest Service and City of Carbondale Jackson County	
All Fish	2 Pole and Line Fishing Only (1)
Large or Smallmouth Bass	15" Minimum Length Limit
Striped, White, or Hybrid	
Striped Bass	17" Minimum Length Limit
Striped, White, or Hybrid	
Striped Bass (16)	3 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid	
Walleye	14" Minimum Length Limit
Centralia Lake, City of Centralia Marion County	
Large or Smallmouth Bass	15" Minimum Length Limit
Charleston Lower Channel Lake, City of Charleston Coles County	
All Fish	2 Pole and Line Fishing Only (1)
Charleston Side Channel Lake, City of Charleston	

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Coles County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	17" Minimum Length Limit
Striped, White, or Hybrid	-	3 Fish Daily Creel Limit
Striped Bass	-	
Striped, White, or Hybrid	-	
Striped Bass (16)	-	
Charlie Brown Lake & Pond, City of Flora	-	2 Pole and Line Fishing Only (1)
Clay County	-	6 Fish Daily Creel Limit
All Fish	-	14" Minimum Length Limit
Channel Catfish	-	
Large or Smallmouth Bass	-	
Citizen's Lake, State of Illinois	-	2 Pole and Line Fishing Only (1)
Warren County	-	10 Fish Daily Creel Limit
All Fish	-	6 Fish Daily Creel Limit
Bluegill or Redear Sunfish (14)	-	14" Minimum Length Limit
Channel Catfish	-	
Large or Smallmouth Bass	-	
Large or Smallmouth Bass (14)	-	
Clinton Lake, Clinton Lake State Recreation Area	-	2 Pole and Line Fishing Only (1)(18)
DeWitt County	-	14" Minimum Length Limit
All Fish	-	
Large or Smallmouth Bass	-	
Striped, White, or Hybrid	-	
Striped Bass	-	17" Minimum Length Limit
Striped, White, or Hybrid	-	
Striped Bass (16)	-	
Walleye or Sauger	-	3 Fish Daily Creel Limit
White, Black, or Hybrid	-	14" Minimum Length Limit
Crappie (15)	-	15 Fish Daily Creel Limit
White, Black, or Hybrid	-	
Crappie	-	10" Minimum Length Limit
Coal Creek Fish and Wildlife Area, State of Illinois	-	2 Pole and Line Fishing Only (1)
Bureau County	-	10 Fish Daily Creel Limit
All Fish	-	6 Fish Daily Creel Limit
Bluegill or Redear Sunfish (14)	-	14" Minimum Length Limit
Channel Catfish	-	
Large or Smallmouth Bass	-	
Large or Smallmouth Bass (14)	-	
Coffeen Lake, Coffeen Lake State Fish and Wildlife Area	-	15" Minimum Length Limit
Montgomery County	-	
Large or Smallmouth Bass	-	

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Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
White, Black, or Hybrid	-	
Crappie (15)	-	10 Fish Daily Creel Limit
White, Black, or Hybrid	-	
Crappie	-	9" Minimum Length Limit
Coles County Airport Lake, Coles County Airport	-	
Coles County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	
Columbus Park Lagoon, Chicago Park District	-	
Cook County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Cook Co. F.P.D. Lakes, Cook County Forest Preserve District	-	
Cook County	-	2 Pole and Line Fishing Only (1)
All Fish	-	
Coulterville City Lake, City of Coulterville	-	
Randolph County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Crab Orchard National Wildlife Refuge, Crab Orchard Lake, U.S. Fish and Wildlife Service	-	
Williamson County	-	2 Pole and Line Fishing Only (1)(4)
All Fish	-	
Striped, White, or Hybrid	-	
Striped Bass (16)	-	10 Creel/3 Fish 17" or Longer Daily (17)
Crab Orchard National Wildlife Refuge, Devil's Kitchen Lake, U.S. Fish and Wildlife Service	-	
Williamson County	-	2 Pole and Line Fishing Only (1)
All Fish	-	
Crab Orchard National Wildlife Refuge, Little Grassy Lake, U.S. Fish and Wildlife Service	-	
Williamson County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	12-15" Slot Length Limit (3)
Large or Smallmouth Bass	-	
Crab Orchard National Wildlife Refuge, Refuge Ponds (except Visitor Pond), U.S. Fish and Wildlife Service	-	
Williamson County	-	2 Pole and Line Fishing Only (1)
All Fish	-	15" Minimum Length Limit
Large or Smallmouth Bass	-	
Crab Orchard National Wildlife Refuge, Visitor Pond, U.S. Fish and Wildlife Service	-	

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Williamson County
All Fish (30)
Large or Smallmouth Bass - 2 Pole and Line Fishing Only (1)
21" Minimum Length Limit

Crawford Co. Cons. Area Ponds, Crawford County Conservation Area
Crawford County
All Fish
Channel Catfish
Large or Smallmouth Bass - 2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit
15" Minimum Length Limit

Dawson Lake & Park Ponds, Moraine View State Park
McLean County
All Fish
Bluegill or Redear Sunfish (14) - 2 Pole and Line Fishing Only (1)
25 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Walleye, Sauger, or Hybrid
Walleye - 14" Minimum Length Limit
White, Black or Hybrid Crappie - 9" Minimum Length Limit
White, Black or Hybrid Crappie (15) - 15 Fish Daily Creel Limit

Decatur Park Dist. Ponds, City of Decatur
Macon County
All Fish
Channel Catfish - 2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit

Defiance Lake, Moraine Hills State Park
McHenry County
All Fish
Channel Catfish - 2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Dolan Lake, Hamilton County Conservation Area
Hamilton County
All Fish
Channel Catfish - 2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Walleye, Sauger, or Hybrid
Walleye - 14" Minimum Length Limit

Douglas Park Lagoon, Chicago Park District
Cook County
All Fish
Channel Catfish - 2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit

Dutchman Lake, Shawnee National Forest

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Johnson County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

East Fork Lake, City of Olney
Richland County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 12-15" Slot Length Limit (3)
Walleye, Sauger, or Hybrid
Walleye - 14" Minimum Length Limit
White, Black, or Hybrid Crappie (15) - 25 Fish Daily Creel Limit

Evergreen Lake, City of Bloomington
McLean County
Large or Smallmouth Bass - 15" Minimum Length Limit
Pure Muskellunge - 36" Minimum Length Limit
Walleye, Sauger, or Hybrid
Walleye - 14" Minimum Length Limit

Ferne Clyffe Lake, Ferne Clyffe State Park
Johnson County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Forbes State Lake, Stephen A. Forbes State Park
Marion County
Striped, White, or Hybrid
Striped Bass - 17" Minimum Length Limit
Striped, White, or Hybrid
Striped Bass (16) - 3 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid
Walleye - 14" Minimum Length Limit

Forbes State Lake & Ponds, Stephen A. Forbes State Park
Marion County
All Fish - 2 Pole and Line Fishing Only (1)(5)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Forest Park Lagoon, City of Shelbyville
Shelby County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Four Lakes, Winnebago County Forest Preserve
Winnebago County

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All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Fox Chain O'Lakes, State of Illinois		
Lake and McHenry Counties		
Large or Smallmouth Bass	-	14" Minimum Length Limit (6)
Pure Muskellunge	-	36" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	18" Minimum Length Limit (6)
Walleye	-	3 Fish Daily Creel Limit(6)
Walleye, Sauger, or Hybrid	-	
Walleye (14)	-	
Frank Holten Lakes, Frank Holten State Park		
St. Clair County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Franklin Creek, Franklin Creek State Natural Area		
Lee County		
All Fish	-	2 Pole and Line Fishing Only (1)(9)
Gale Lake, Village of East Galesburg		
Knox County		
All Fish	-	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14)	-	10 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Garfield Park Lagoon, Chicago Park District		
Cook County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Gebhard Woods Ponds, Gebhard Woods State Park		
Grundy County		
All Fish	-	2 Pole and Line Fishing Only (1)
Giant City Park Ponds, State of Illinois		
Jackson and Union Counties		
Largemouth and Spotted Bass	-	15" Minimum Length Limit
Gillespie New City Lake, City of Gillespie		
Macoupin County		
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	12-15" Slot Length Limit (3)
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit

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Gillespie Old City Lake, City of Gillespie		
Macoupin County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Gladstone Lake, Henderson County Conservation Area		
Henderson County		
All Fish	-	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14)	-	10 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	12-15" Slot Length Limit (3)
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Glen Shoals Lake, City of Hillsboro		
Montgomery County		
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	
Striped Bass	-	17" Minimum Length Limit
Striped, White, or Hybrid	-	
Striped Bass (16)	-	3 Fish Daily Creel Limit
Gompers Park Lagoon, Chicago Park District		
Cook County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Gordon F. More Park Lake, City of Alton		
Madison County		
All Fish	-	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14)	-	25 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	2 Fish < 15" &/or 1 Fish > or = 15" Daily (25)
Governor Bond Lake, City of Greenville		
Bond County		
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	
Striped Bass	-	17" Minimum Length Limit
Striped, White, or Hybrid	-	
Striped Bass (16)	-	3 Fish Daily Creel Limit
Greenfield City Lake, City of Greenfield		
Green County		
All Fish	-	2 Pole and Line Fishing Only (1)

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Channel Catfish	6 Fish Daily Creel Limit
Greenville Old City Lake, City of Greenville Bond County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Harrisburg New City Reservoir, City of Harrisburg Saline County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Heidecke Lake, Heidecke Lake State Fish and Wildlife Area Grundy County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Heidecke Lake, Heidecke Lake State Fish and Wildlife Area Grundy County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	18" Minimum Length Limit
Large or Smallmouth Bass (14)	3 Fish Daily Creel Limit
Striped, White, or Hybrid	
Striped Bass (16)	10 Creel/3 Fish 17" or Longer Daily (17)
Walleye, Sauger, or Hybrid	
Walleye	22" Minimum Length Limit
Walleye, Sauger, or Hybrid	
Walleye (14)	3 Fish Daily Creel Limit
Hennepin Canal-Mainline & Feeder, Hennepin Canal Parkway State Park Multiple Counties	
All Fish	2 Pole and Line Fishing Only (1)(13)
Large or Smallmouth Bass	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	
Walleye	14" Minimum Length Limit
Herrick Lake, DuPage County Forest Preserve District DuPage County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Hidden Springs State Forest Ponds, Hidden Springs State Forest Shelby County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	14" Minimum Length Limit
Highland Old City Lake, City of Highland Madison County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit

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Hillsboro Old City Lake, City of Hillsboro Montgomery County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	12-15" Slot Length Limit (3)
Homer Lake, Champaign County Forest Preserve District Champaign County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	14" Minimum Length Limit
Hornel Ponds, Donnelly State Fish and Wildlife Area Bureau County	
All Fish	2 Pole and Line Fishing Only (1)(19)
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	14" Minimum Length Limit
Horseshoe Lake-Alexander Co., Horseshoe Lake Conservation Area Alexander County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Large or Smallmouth Bass	14" Minimum Length Limit
Horton Lake, Newton State Park Hancock County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Humbolt Park Lagoon, Chicago Park District Cook County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Ill. Dept. of Transportation Lake, State of Illinois Sangamon County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Illinois & Michigan Canal, State of Illinois Grundy-Lasalle Counties	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit
Illinois Beach State Park Ponds, Illinois Beach State Park Lake County	
All Fish	2 Pole and Line Fishing Only (1)
Channel Catfish	6 Fish Daily Creel Limit

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Jackson Park (Columbia Basin) Lagoon, Chicago Park District Cook County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Johnson Sauk Trail Lake & Pond, Johnson Sauk Trail State Park Henry County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Large or Smallmouth Bass	- 14" Minimum Length Limit
Jones Park Lake, City of East St. Louis St. Clair County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Jones State Lake, Saline County Conservation Area Saline County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Large or Smallmouth Bass	- 14" Minimum Length Limit
Jubilee College State Park Ponds, Jubilee College State Park Peoria County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Kaskaskia River & all tributaries, State of Illinois Multiple Counties	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid	
Walleye	- 14" Minimum Length Limit
Kendall Co. Lake #1, Kendall County Forest Preserve District Kendall County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Large or Smallmouth Bass	- 14" Minimum Length Limit
Large or Smallmouth Bass (14)	- 3 Fish Daily Creel Limit
Kickapoo State Park Lakes & Ponds, Kickapoo State Park Vermilion County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Kinkaid Lake, Kinkaid Lake State Fish and Wildlife Area Jackson County	- 18" Minimum Length Limit - 36" Minimum Length Limit
Large or Smallmouth Bass	
Pure Muskellunge	

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Walleye, Sauger, or Hybrid Walleye	- 14" Minimum Length Limit
Lake Atwood, McHenry County Conservation District McHenry County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Lake Bloomington, City of Bloomington McLean County	- 15" Minimum Length Limit
Large or Smallmouth Bass	
Striped, White, or Hybrid	- 17" Minimum Length Limit
Striped Bass	
Striped, White, or Hybrid	- 3 Fish Daily Creel Limit
Striped Bass (16)	
Walleye, Sauger, or Hybrid	
Walleye	- 14" Minimum Length Limit
Lake Carlton, Morrison-Rockwood State Park Whiteside County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Large or Smallmouth Bass (14)	- 1 Fish Daily Creel Limit
Large or Smallmouth Bass	- 14" Minimum Length Limit
Pure Muskellunge	- 36" Minimum Length Limit
Walleye, Sauger, or Hybrid	
Walleye	- 14" Minimum Length Limit
White, Black, or Hybrid	
Crappie (15)	- 25 Fish Daily Creel Limit
Lake Co. Forest Preserve District Lakes, Lake County Forest Preserve District Lake County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	
Large or Smallmouth Bass (14)	- 1 Fish Daily Creel Limit
Large or Smallmouth Bass	- 15" Minimum Length Limit
Lake Decatur, City of Decatur Macon County	- 2 Pole and Line Fishing Only (1) (29) - 14" Minimum Length Limit
All Fish	
Large or Smallmouth Bass	
Walleye, Sauger, or Hybrid	
Walleye	- 14" Minimum Length Limit
Lake Eureka, City of Eureka Woodford County	- 2 Pole and Line Fishing Only (1) - 6 Fish Daily Creel Limit
All Fish	
Channel Catfish	

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Large or Smallmouth Bass (14) - 2 Fish < 15" &/or 1 Fish > or = 15" Daily (25)

Lake George, Loud Thunder Forest Preserve
Rock Island County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Pure Muskellunge - 36" Minimum Length Limit
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye - 14" Minimum Length Limit

Lake Mendota, Shawnee National Forest
Pope County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Lake Jacksonville, City of Jacksonville
Morgan County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Striped, White, or Hybrid - 17" Minimum Length Limit
Striped, White, or Hybrid - 3 Fish Daily Creel Limit
Striped Bass (16) - 25 Fish Daily Creel Limit
White, Black, or Hybrid - 9" Minimum Length Limit
Crappie (15) - 9" Minimum Length Limit
White, Black, or Hybrid - 9" Minimum Length Limit

Lake Kakrisha, City of Mendota
LaSalle County

All Fish - 2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14) - 10 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit
White, Black, or Hybrid - 10 Fish Daily Creel Limit
Crappie (15) - 10 Fish Daily Creel Limit

Lakes Le-Aqua Na, Lake Le-Aqua Na State Park
Stephenson County

All Fish - 2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14) - 10 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit

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Walleye - 14" Minimum Length Limit
White, Black, or Hybrid - 25 Fish Daily Creel Limit
Crappie (15) - 25 Fish Daily Creel Limit

Lake Mendota, City of Mendota
LaSalle County

Channel Catfish - 6 Fish Daily Creel Limit

Lake Michigan (Illinois Portion), State of Illinois
Lake/Cook Counties

Trout and Salmon - 10" Minimum Length Limit
Trout and Salmon - No more than 3 fish of any one species daily, except for
Lake Trout - Lake Trout
Lake Trout - 2 Fish Daily Creel Limit

Lake Milliken, Des Plaines Conservation Area
Will County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Lake Mingo & Ponds Kennekuk Cove Park, Vermilion County Conservation Area
Vermilion County

All Fish - 2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14) - 25 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye - 14" Minimum Length Limit

Lake Murphysboro, Lake Murphysboro State Park
Jackson County

All Fish - 2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14) - 25 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit

Lake Nellie, City of St. Elmo
Payette County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Lake of the Woods & Elk's Pond, Champaign County Forest Preserve District
Champaign County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit

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Lake Olson, Rock Cut State Park Winnebago County	- 2 Pole and Line Fishing Only (1)
All Fish	- 6 Fish Daily Creel Limit
Channel Catfish	- 14" Minimum Length Limit
Large or Smallmouth Bass	
Lake Paradise & Shadow Ponds, City of Mattoon Coles County	
All Fish	- 2 Pole and Line Fishing Only (1)
Large or Smallmouth Bass	- 14" Minimum Length Limit
Lake Paradise Shadow Ponds, City of Mattoon Coles County	
Channel Catfish	- 6 Fish Daily Creel Limit
Lake Sara, City of Effingham Effingham County	
Large or Smallmouth Bass	- 14" Minimum Length Limit
Walleye, Sauger, or Hybrid	- 14" Minimum Length Limit
Walleye	
Lake Shelbyville (21), U.S. Army Corps of Engineers Moultrie/Shelby Counties	
Large or Smallmouth Bass	- 14" Minimum Length Limit
Pure Muskellunge	- 36" Minimum Length Limit
Walleye, Sauger, or Hybrid	- 14" Minimum Length Limit
Walleye	
White, Black, or Hybrid	- 10 Fish Daily Creel Limit
White, Black, or Hybrid	- 10" Minimum Length Limit
Crappie	
Lake Shelbyville Ponds & Woods Lake, Lake Shelbyville State Fish and Wildlife Area Moultrie/Shelby Counties	
All Fish	- 2 Pole and Line Fishing Only (1)
Channel Catfish	- 6 Fish Daily Creel Limit
Large or Smallmouth Bass	- 14" Minimum Length Limit
Lake Springfield, City of Springfield Sangamon County	
All Fish	- 2 Pole and Line Fishing Only (1)
Large or Smallmouth Bass	- 15" Minimum Length Limit
Walleye, Sauger, or Hybrid	- 14" Minimum Length Limit
Walleye	
White, Black, or Hybrid	- 25 Fish Daily Creel Limit
Crappie (15)	
White, Black, or Hybrid	- 9" Minimum Length Limit
Crappie	

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Lake Storey, City of Galesburg Knox County	- 2 Pole and Line Fishing Only (1)
All Fish	- 25 Fish Daily Creel Limit
Bluegill or Redear Sunfish (14)	- 6 Fish Daily Creel Limit
Channel Catfish	- 12-15" Slot Length Limit (3)
Large or Smallmouth Bass	
Walleye, Sauger, or Hybrid	- 14" Minimum Length Limit
Walleye	
Walleye, Sauger, or Hybrid	- 3 Fish Daily Creel Limit
Walleye (14)	
Lake Sule, Flagg-Rochelle Park District Ogle County	
All Fish	- 2 Pole and Line Fishing Only (1)
Channel Catfish	- 6 Fish Daily Creel Limit
Pure Muskellunge	- 36" Minimum Length Limit
Lake Taylorville, City of Taylorville Christian County	
Large or Smallmouth Bass	- 15" Minimum Length Limit
White, Black, or Hybrid Crappie	- 9" Minimum Length Limit
White, Black, or Hybrid	
Crappie (15)	- 25 Fish Daily Creel Limit
Lake Vandalia, City of Vandalia Payette County	
All Fish	- 2 Pole and Line Fishing Only (1)
Channel Catfish	- 6 Fish Daily Creel Limit
Large or Smallmouth Bass	- 14" Minimum Length Limit
Striped, White, or Hybrid	
Striped Bass	- 17" Minimum Length Limit
Striped, White, or Hybrid	
Striped Bass (16)	- 3 Fish Daily Creel Limit
Lake Vermilion, Vermilion County Conservation District Vermilion County	
All Fish	- 2 Pole and Line Fishing Only (26)
Large or Smallmouth Bass	- 15" Minimum Length Limit (23)
Pure Muskellunge	- 36" Minimum Length Limit (23)
Walleye, Sauger, or Hybrid	
Walleye	- 14" Minimum Length Limit (23)
Lake Williamsville, City of Williamsville Sangamon County	
All Fish	- 2 Pole and Line Fishing Only (1)
Channel Catfish	- 6 Fish Daily Creel Limit
Large or Smallmouth Bass	- 15" Minimum Length Limit

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LaSalle Lake, LaSalle Power Station

LaSalle County
All Fish - 2 Pole and Line Fishing Only (1)
Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Striped, White, or Hybrid
Striped Bass (16) - 10 Creel/3 Fish 17" or Longer Daily (17)

Lincoln Log Cabin Pond, Lincoln Log Cabin Historical Site

Coles County
All Fish - 2 Pole and Line Fishing Only (1)

Lincoln Park North Lagoon, Chicago Park District

Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Lincoln Park South Lagoon, Chicago Park District

Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Lincoln Trail Lake, Lincoln Trail State Park

Clark County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 12-15" Slot Length Limit (3)

Little Black Slough, Little Black Slough State Natural Area

Johnson County
All Fish - 2 Pole and Line Fishing Only (1)
All Fish - No Seines

Little Cedar Lake, Shawnee National Forest

Jackson County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Little Sister Lake, County of Fulton

Fulton County
All Fish - 2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14) - 10 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Lou Yeager Lake, City of Itascafield

Montgomery County

DEPARTMENT OF CONSERVATION

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Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Lower Cache River, Lower Cache River State Natural Area

Pulaski/Johnson Counties
All Fish - 2 Pole and Line Fishing Only (1)
All Fish - No Seines

Lyerle Lake, Union County Conservation Area

Union County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Macon County Conservation District Ponds, Macon County Conservation District

Macon County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Maple Lake, Cook County Forest Preserve District

Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Marquette Park Lagoon, Chicago Park District

Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Marshall County Conservation Area (Fishing Ditch), Marshall County Conservation Area

Marshall County
All Fish - 2 Pole and Line Fishing Only (1)

Mattoon Lake, City of Mattoon

Coles County
All Fish - 2 Pole and Line Fishing Only (1)
Large or Smallmouth Bass - 14" Minimum Length Limit

Mazonia-Braidwood Lakes & Ponds, Mazonia-Braidwood State Fish and Wildlife Area

Grundy/Will Counties
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit
Striped, White, or Hybrid
Striped Bass - 17" Minimum Length Limit
Striped, White, or Hybrid
Striped Bass (16) - 3 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid

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Walleye	-	14" Minimum Length Limit
White, Black or Hybrid Crappie (15)	-	10 Fish Daily Creel Limit
McCullom Lake, City of McHenry		
McHenry County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish		
McKinley Park Lagoon, Chicago Park District		
Cook County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish		
McLeansboro City Lakes, City of McLeansboro		
Hamilton County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass		
Mermet State Lake, Mermet Lake Conservation Area		
Massac County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass		
Middle Fork Forest Preserve Ponds, Champaign County Forest Preserve		
Champaign County	-	2 Pole and Line Fishing Only (1)
All Fish	-	25 Fish Daily Creel Limit
Bluegill or Redear Sunfish (14)	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass		
Mill Creek Lake, Clark County Park District		
Clark County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	12-15" Slot Length Limit (3)
Large or Smallmouth Bass		
Walleye, Sauger, or Hybrid		
Walleye	-	14" Minimum Length Limit
Miller Park Lake, City of Bloomington		
McLean County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish		
Mineral Springs Park Lagoon, City of Pekin		
Tazewell County		

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All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Mississippi River (between IL & LA), State of Illinois		
Multiple Counties	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	5 Fish Daily Creel Limit
Northern Pike	-	10 Fish Daily Creel Limit (24)
Walleye and Sauger (14)	-	15" Minimum Length Limit
Walleye		
Mississippi River (between IL & MO), State of Illinois		
Multiple Counties	-	1 Fish Daily Creel Limit
Northern Pike	-	8 Fish Daily Creel Limit
Walleye and Sauger (14)		
Monsee Reservoir, Will County Forest Preserve District		
Will County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	1 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	15" Minimum Length Limit
Large or Smallmouth Bass		
Montrose Lake, City of Montrose		
Cumberland County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass		
Mt. Olive City Lakes, City of Mt. Olive		
Macoupin County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish		
Mt. Sterling Lake, City of Mt. Sterling		
Brown County	-	6 Fish Daily Creel Limit
Channel Catfish	-	12-15" Slot Length Limit (3)
Large or Smallmouth Bass		
Mundelein Park Dist. (Diamond Lake & Park Ponds), City of Mundelein		
Lake County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	15" Minimum Length Limit
Large or Smallmouth Bass	-	3 Fish Daily Creel Limit
Large or Smallmouth Bass (14)		
Nashville City Lake, City of Nashville		
Washington County		

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All Fish
Channel Catfish
Large or Smallmouth Bass
2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit
18" Minimum Length Limit

Newton Lake, Newton Lake State Fish and Wildlife Area
Jasper County

All Fish
Large or Smallmouth Bass
Large or Smallmouth Bass (14)
Walleye, Sauger, or Hybrid
Walleye
White, Black, or Hybrid
Crappie (15)
White, Black, or Hybrid
Crappie
2 Pole and Line Fishing Only (1)
18" Minimum Length Limit
3 Fish Daily Creel Limit
14" Minimum Length Limit
10 Fish Daily Creel Limit
10" Minimum Length Limit

Oakland City Lake, City of Oakland
Coles County

All Fish
Channel Catfish
Large or Smallmouth Bass
2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit
14" Minimum Length Limit

One Horse Gap Lake, Shawnee National Forest
Gallatin County

All Fish
Channel Catfish
2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit

Otter Lake, Otter Lake Water Commission
Macoupin County

Large or Smallmouth Bass
Striped, White, or Hybrid
Striped Bass
Striped, White, or Hybrid
Striped Bass (16)
Pure Muskellunge
15" Minimum Length Limit
17" Minimum Length Limit
3 Fish Daily Creel Limit
36" Minimum Length Limit

Palmyra City Lake & Terry Park Pond, City of Palmyra
Macoupin County

All Fish
Channel Catfish
2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit

Pana Lake, City of Pana

Shelby and Christian Counties

All Fish
Channel Catfish
Large or Smallmouth Bass
2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit
14" Minimum Length Limit

Paris East & West Lakes, City of Paris

Edgar County
All Fish
Channel Catfish
Large or Smallmouth Bass
2 Pole and Line Fishing Only (1)(5)
6 Fish Daily Creel Limit
14" Minimum Length Limit

Peelman Lake, Kickapoo State Park
Vermilion County

Large or Smallmouth Bass
14" Minimum Length Limit

Pierce Lake, Rock Cut State Park
Winnebago County

All Fish
Bluegill or Redear Sunfish (14)
Channel Catfish
Large or Smallmouth Bass (14)
Large or Smallmouth Bass
Pure Muskellunge
Walleye, Sauger, or Hybrid
Walleye
White, Black, or Hybrid
Crappie (15)
2 Pole and Line Fishing Only (1)(8)
5 Fish Daily Creel Limit
6 Fish Daily Creel Limit
1 Fish Daily Creel Limit
14" Minimum Length Limit
36" Minimum Length Limit
14" Minimum Length Limit
25 Fish Daily Creel Limit

Piscasaw Creek, State of Illinois
McHenry County

Trout
9" Minimum Length Limit

Pittsfield City Lake, City of Pittsfield
Pike County

Large or Smallmouth Bass
Striped, White, or Hybrid
Striped Bass
Striped, White, or Hybrid
Striped Bass (16)
Walleye, Sauger, or Hybrid
Walleye
14" Minimum Length Limit
17" Minimum Length Limit
3 Fish Daily Creel Limit
14" Minimum Length Limit

Pocahontas Park Pond, City of Pocahontas
Bond County

All Fish
Channel Catfish
2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit

Pounds Hollow Lake, Shawnee National Forest

Gallatin County
All Fish
Channel Catfish
2 Pole and Line Fishing Only (1)
6 Fish Daily Creel Limit

Powerton Lake, Powerton Lake Fish and Wildlife Area
Thiesswell County

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All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	18" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	10 Creel/3 Fish 17" or Longer Daily (17)
Striped Bass (16)	-	1 Fish Daily Creel Limit
Walleye (14)	-	24" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	2 Pole and Line Fishing Only (1)
Walleye	-	6 Fish Daily Creel Limit
Pratt Wayne Woods Lakes, DuPage County Forest Preserve		
DuPage County	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Pyramid State Park Lakes & Ponds, Pyramid State Park		
Perry County	-	2 Pole and Line Fishing Only (1)
All Fish	-	25 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit
Walleye	-	10 Fish Daily Creel Limit
White, Black, or Hybrid	-	9" Minimum Length Limit
Crappie (15)	-	
White, Black, or Hybrid	-	
Crappie	-	
Ramsey Lake, Ramsey Lake State Park		
Fayette County	-	2 Pole and Line Fishing Only (1)
All Fish	-	25 Fish Daily Creel Limit
Bluegill or Redear Sunfish (14)	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	10 Fish Daily Creel Limit
Walleye	-	9" Minimum Length Limit
White, Black, or Hybrid	-	
Crappie (15)	-	
White, Black, or Hybrid	-	
Crappie	-	
Randolph County Lake, Randolph County Conservation Area		
Randolph County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	3 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	
Walleye	-	
Red Hills Lake, Red Hills State Park		
Lawrence County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	15" Minimum Length Limit
Large or Smallmouth Bass	-	

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Rend Lake, (22) U.S. Army Corps of Engineers		
Franklin County	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	10 Creel/3 Fish 17" or Longer Daily (17)
Striped, White, or Hybrid	-	10 Creel/3 Fish 17" or Longer Daily (17)
Striped Bass (16)	-	
Yellow Bass	-	
Rend Lake Project Ponds, U.S. Army Corps of Engineers		
Franklin County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	3 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	
Ridge Lake, Fox Ridge State Park		
Coles County	-	2 Pole and Line Fishing Only (1)(27)
All Fish	-	14" Minimum Length Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	
Walleye	-	14" Minimum Length Limit
Ruis Park Lagoon, Chicago Park District		
Cook County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Rock River Main Stem Only, State of Illinois		
Multiple Counties	-	12" Minimum Length Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Walleye, Sauger, and Hybrid	-	
Walleye	-	
Roodhouse Park Lake, City of Roodhouse		
Green County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Sam Dale Cons. Area Lake & Ponds, Sam Dale Conservation Area		
Wayne County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	
Sam Parr Lake, Sam Parr State Park		
Jasper County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	

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Sand Lake, Illinois Beach State Park
Lake County

- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass - 15" Minimum Length Limit
- Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit

Sangchris Lake, Sangchris Lake State Park
Christian Sangamon Counties

- All Fish - 2 Pole and Line Fishing Only (1)
- Large or Smallmouth Bass (14) - 2 Fish < 15" &/or 1 Fish > or = 15" Daily (25)
- White, Black, or Hybrid
- Crappie (15) - 25 Fish Daily Creel Limit
- White, Black, or Hybrid
- Crappie - 9" Minimum Length Limit

Sangchris Lake Park Ponds, Sangchris Lake State Park
Sangamon County

- All Fish - 2 Pole and Line Fishing Only (1)

Schuy-Rush Lake, City of Rushville
Schuyler County

- Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
- Walleye
- White, Black, or Hybrid
- Crappie - 9" Minimum Length Limit

Senior Citizen's Pond, Kankakee River State Park
Kankakee County

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit

Shabbona Lake, Shabbona Lake State Park
DeKalb County

- All Fish - 2 Pole and Line Fishing Only (1)
- Bluegill or Redear Sunfish (14) - 10 Fish Daily Creel Limit
- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit
- Large or Smallmouth Bass - 14" Minimum Length Limit
- Pure Muskellunge - 36" Minimum Length Limit
- Walleye, Sauger, or Hybrid
- Walleye - 14" Minimum Length Limit
- White, Black, or Hybrid
- Crappie (15) - 10 Fish Daily Creel Limit

Shawnee National Forest Lakes & Ponds, Shawnee National Forest
Multiple Counties

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit

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Shawnee National Forest Lakes & Ponds less than 10 acres, U.S. Forest Service
Multiple Counties

- Largemouth Bass - 12" Minimum Length Limit

Sherman Park Lagoon, Chicago Park District
Cook County

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit

Siloam Springs Lake, Siloam Springs State Park
Adams County

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass - 12-15" Slot Length Limit (3)

Silver Lake (Highland), City of Highland
Madison County

- Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
- Walleye

Silver Springs S.P. Lake & Ponds, Silver Springs State Park
Kendall County

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass - 15" Minimum Length Limit

Snake Den Hollow Lakes, Snake Den Hollow State Fish and Wildlife Area
Knox County

- All Fish - 2 Pole and Line Fishing Only (1)
- Bluegill or Redear Sunfish (14) - 5 Fish Daily Creel Limit
- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass - 15" Minimum Length Limit
- Large or Smallmouth Bass (14) - 8 Fish Daily Creel Limit
- Pure Muskellunge - 36" Minimum Length Limit
- Walleye, Sauger, or Hybrid
- Walleye (14) - 3 Fish Daily Creel Limit
- Walleye, Sauger, or Hybrid
- Walleye - 14" Minimum Length Limit
- White, Black, or Hybrid
- Crappie (16) - 5 Fish Daily Creel Limit

Sparta City Lakes, City of Sparta
Randolph County

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass - 15" Minimum Length Limit

Spring Lake, City of Maconb

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McDonough County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Striped, White, or Hybrid	-	17" Minimum Length Limit
Striped Bass	-	
Striped, White, or Hybrid	-	3 Fish Daily Creel Limit
Striped Bass (16)	-	
Spring Lake (North & South), Spring Lake Conservation Area	-	
Tazewell County	-	2 Pole and Line Fishing Only (1)(7)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	36" Minimum Length Limit
Pure Muskellunge	-	
White, Black, or Hybrid	-	25 Fish Daily Creel Limit
Crappie (15)	-	
White, Black, or Hybrid	-	9" Minimum Length Limit
Crappie	-	
St. Elmo South Lake, City of St. Elmo	-	
Fayette County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Stanton City Lake, City of Staunton	-	
Macoupin County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	15" Minimum Length Limit
Large or Smallmouth Bass	-	3 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	
Sterling Lake, Lake County Forest Preserve District	-	
Lake County	-	2 Pole & Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	1 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	15" Minimum Length Limit
Large or Smallmouth Bass	-	36" Minimum Length Limit
Pure Muskellunge	-	
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit
Walleye	-	
Tampier Lake, Cook County Forest Preserve	-	
Cook County	-	2 Pole and Line Fishing Only
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Walleye, Sauger, or Hybrid	-	16" Minimum Length Limit
Walleye	-	

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Tecumseh Lake, Shawnee National Forest	-	
Hardin County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Ten Mile Creek Lakes, Ten Mile Creek State Fish and Wildlife Area	-	
Hamilton/Jefferson Counties	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	
Tomahawk Lake, Moraine Hills State Park	-	
McHenry County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	3 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	
Tremont Ponds, Village of Tremont	-	
Tazewell County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Turner Lake, Chain O' Lakes State Park	-	
Lake County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	1 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	15" Minimum Length Limit
Large or Smallmouth Bass	-	
Tuscola City Lake, City of Tuscola	-	
Douglas County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	14" Minimum Length Limit
Large or Smallmouth Bass	-	
Valley Lake, Wildwood Park District	-	
Lake County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	15" Minimum Length Limit
Large or Smallmouth Bass	-	3 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	
Vandalia Correctional Facility Ponds, State of Illinois	-	
Fayette County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	

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Vanhorn Woods Pond, Plainfield Park District
Will County

- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- Large or Smallmouth Bass (14)
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 15" Minimum Length Limit
- 1 Fish Daily Creel Limit

Verhor Lake, City of Olney
Richland County

- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit

Villa Grove East Lake, City of Villa Grove
Douglas County

- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit

Villa Grove West Lake, City of Villa Grove
Douglas County

- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit

Virginia City Reservoir, City of Virginia
Cass County

- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 15" Minimum Length Limit

Walnut Point Lake, Walnut Point State Fish and Wildlife Area
Douglas County

- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 12-15" Slot Length Limit (3)

Walton Park Lake, City of Litchfield
Montgomery County

- All Fish
- Channel Catfish
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit

Warrior Lake, Moraine Hills State Park
McHenry County

- All Fish
- Channel Catfish
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit

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- Large or Smallmouth Bass
- Large or Smallmouth Bass (14)
- 14" Minimum Length Limit
- 3 Fish Daily Creel Limit

Washington County Lake, Washington County Conservation Area
Washington County

- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- Striped, White, or Hybrid
- Striped Bass
- Striped, White, or Hybrid
- Striped Bass (16)
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit
- 17" Minimum Length Limit
- 3 Fish Daily Creel Limit

Washington Park Lagoon, Chicago Park District
Cook County

- All Fish
- Channel Catfish
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit

Waverly Lake, City of Waverly
Morgan County

- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 15" Minimum Length Limit

Weinberg-King Pond, Weinberg-King State Park
Schuyler County

- All Fish
- Channel Catfish
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit

Weldon Springs Lake, Weldon Springs State Park
DeWitt County

- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit

West Frankfort New City Lake, City of West Frankfort
Franklin County

- All Fish
- Channel Catfish
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit

West Frankfort Old City Lake, City of West Frankfort
Franklin County

- All Fish
- Channel Catfish
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit

White Hall City Lake, City of White Hall
Green County

- All Fish
- 2 Pole and Line Fishing Only (1)

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- Channel Catfish - 6 Fish Daily Creel Limit
- Whoopie Cat Lake, Shawnee National Forest
Hardin County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
- Wilderness Lake, Moraine Hills State Park
McHenry County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit
- Wilderness Pond, Fox Ridge State Park
Coles County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
- Wolf Lake, William W. Powers Conservation Area
Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye - 14" Minimum Length Limit
- Woodford Co. Cons. Area (Fishing Ditch), Woodford County Conservation Area
Woodford County
All Fish - 2 Pole and Line Fishing Only (1)
- Wyman Lake, City of Sullivan
Moultrie County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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DEPARTMENT OF CONSERVATION

NOTICE OF PROPOSED AMENDMENTS

- 1) HEADING OF THE PART: Squirrel Hunting
- 2) CODE CITATION: 17 Ill. Adm. Code 690
- 3) SECTION NUMBERS: PROPOSED ACTION:
690.30 Amendments
- 4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 2.1, 2.2, 2.28 and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 2.1, 2.2, 2.28, and 3.5) [520 ILCS 5/1.2, 5/1.3, 5/1.4, 5/2.1, 5/2.2, 5/2.28 and 5/3.5].
- 5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
The amendments to this part modify site-specific season dates and regulations and add/delete sites open to squirrel hunting.
- 6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No
- 7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No
- 8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No
- 9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART?
No
- 10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.
- 11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787
- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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NOTICE OF PROPOSED AMENDMENTS

TITLE 17: CONSERVATION
 CHAPTER I: DEPARTMENT OF CONSERVATION
 SUBCHAPTER b: FISH AND WILDLIFE

PART 690
 SQUIRREL HUNTING

Section
 690.10
 690.20
 690.30

Hunting Zones

Statewide Regulations

Regulations at Various Department-Owned or -Managed Sites

AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 2.1, 2.2, 2.28 and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 2.1, 2.2, 2.28, and 3.5) [520 ILCS 5/1.2, 1.3, 1.4, 2.1, 2.2, 2.28 and 3.5].

SOURCE: Adopted at 5 Ill. Reg. 8017, effective July 24, 1981; codified at 5 Ill. Reg. 10642; emergency amendment at 5 Ill. Reg. 11382, effective October 14, 1981, for a maximum of 150 days; amended at 6 Ill. Reg. 9642, effective July 21, 1982, amended at 7 Ill. Reg. 8809, effective July 15, 1983; emergency amendment at 7 Ill. Reg. 9690, effective August 1, 1983, for a maximum of 150 days; amended at 8 Ill. Reg. 16789, effective August 30, 1984, amended at 9 Ill. Reg. 11614, effective July 16, 1985; amended at 10 Ill. Reg. 15601, effective September 16, 1986; amended at 11 Ill. Reg. 9549, effective May 5, 1987; amended at 12 Ill. Reg. 12246, effective July 15, 1988; amended at 13 Ill. Reg. 10606, effective June 15, 1989; amended at 14 Ill. Reg. 10816, effective June 20, 1990; amended at 15 Ill. Reg. 10012, effective June 24, 1991; amended at 16 Ill. Reg. 11087, effective June 30, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 690.30 Regulations at Various Department-Owned or -Managed Sites

- a) All the regulations in 17 Ill. Adm. Code 510, General Hunting and Trapping on Department-Owned or Managed Sites, apply in this Part, unless this Part is more restrictive.
- b) Only those sites listed in this Section marked with an asterisk (*) allow hunting with .22 caliber rimfire firearms or muzzle-loading black powder rifles.
- c) Statewide season regulations shall apply at the following sites (exceptions are listed in parentheses):

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* ~~AMAX Leased Lands~~

Anderson Lake Conservation Area

Argyle Lake State Park

Big Bend Conservation Area

Big River State Forest

* Cache River State Natural Area (Little Black Slough Hunting Area)

Cache River State Natural Area (Lower Cache River Hunting Area)

* Campbell Pond Wildlife Management Area

Carlyle Lake Lands and Waters - Corps of Engineers managed lands

* Carlyle Lake Wildlife Management Area (in the Waterfowl Management Area from opening day to 3 days before the waterfowl season)

* Chauncey Marsh (permit required, may be obtained at Red Hills State Park headquarters; no hunting in dedicated Nature Preserve; must return permit by February 15)

* Crawford County Conservation Area

* Dog Island Wildlife Management Area

Eldon Hazlet State Park (North of Allen Branch and west of Peppenhorst Branch)

* Fort De Chartres Historic Site (hunting with muzzleloading firearms or bow and arrow)

Fort Massac State Park (east of Massac Creek only)

Green River State Wildlife Area (Lee County Conservation Area) (September 6 - October 31, ~~no~~ hunting during field triate)

I-24 Wildlife Management Area

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- * Kaskaskia River Fish and Wildlife Area (Doza Creek Waterfowl Management Area closed 3 days prior to and during duck season)
Kickapoo State Park (free permit required, obtain from site office; hunters must return permit and report harvest by February 15 or hunting privileges for following year will be forfeited)
Kidd Lake State Natural Area
- * Kinkaid Lake Fish and Wildlife Area
- * Lake Shelbyville-Kaskaskia and West Okaw Wildlife Management Area (no handguns)
- * Mackinaw State Fish and Wildlife Area (September 1 - October 31)
Marseilles Fish and Wildlife Area (Monday through Thursday from September 9 through October 31)
Marshall State Fish and Wildlife Area
- * Mermet Lake Conservation Area (from opening day ~~until~~through the first-day before the opening of the duck season)
Middle Fork Fish and Wildlife Area (free permit required, obtain from site office; hunters must return permit and report harvest by February 15 or hunting privileges for following year will be forfeited)
- * Mississippi River Pools 16, 17, 18, 21, 22, 24, 25, 26
Newton Lake State Fish and Wildlife Area (hunting allowed in designated areas only, 540-acre west side management units; no hunting in restricted areas around headquarters, picnic, and eagle nesting areas)
- * ~~Oakford Conservation Area~~
- * Panther Creek Conservation Area
- * Pike County Conservation Area (no hunting after

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- November 30 in Area A; no hunting after December 15 in Area C)
Ramsey Lake State Park
- Randolph County Conservation Area
- Red Hills State Park
- * Rend Lake Project Lands and Waters
- * ~~Reekhouse Creek (Menard County)~~
- * Saline County Conservation Area (North of the township road)
- Sam Dale Lake Conservation Area
- Sam Parr Fish and Wildlife Area
- * Sand Ridge State Forest (from opening day ~~until~~through the first-day before the opening of the ~~upland~~rabbit hunting season)
- * Sangamon County Conservation Area
- * Sanganois Conservation Area
- * Shawnee National Forest, LaRue Scatters ~~teases~~-at ~~noon~~
- * Shawnee National Forest, Oakwood Bottoms (Greenlee Reservoir, west of Big Muddy Levee, closes at noon, steel-non-toxic shot only)
- Site M (Saturdays and Sundays Season dates and additional regulations will be as announced by the Department; land leased from Commonwealth Edison in Cass County; hunter quota to be announced by public news release; check station will open at 5 a.m. and all hunters must check in and exchange their hunting license for a back patch which must be worn at all times while in the field. All hunters must check out and report harvest immediately after hunting; hunting is permitted in designated areas only; parking is permitted at designated parking areas only)

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Stephen A. Forbes State Park

Sunspot Mine (Fulton and Schuyler Counties)

Tapley Woods State Natural Area (closed during fall firearm turkey season)

* Ten Mile Creek State Fish and Wildlife Area (permit required; areas designated as Refuge are closed to all access during Canada Goose Season only; windshield cards must be displayed on dashboard of vehicle; permit must be returned by February 15 to District Wildlife Manager, P.O. Box 313, Olney, IL 62450)

* Trail of Tears State Forest

* Turkey Bluffs State Fish and Wildlife Area

Washington County Conservation Area

Weinberg-King State Park

* Wildcat Hollow State Forest

* Witkowsky State Wildlife Area

d) Season dates shall be the day following Labor Day to the end of the statewide season at the following sites:

Ferne Clyffe State Park

Giant City State Park

Hamilton County Conservation Area

Pere Marquette State Park

Pyramid State Park

Saline County Conservation Area (south of Township Road)

Siloam Springs State Park

Walnut Point Fish and Wildlife Area (season closes October 31)

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e) The following season dates shall apply on the following sites (exceptions to statewide hours are listed in parentheses):

Castle Rock State Park; September 1 - October 15

Chain O'Lakes State Park (opens Wednesday after permit pheasant season for five consecutive days, except closed on Christmas Day; 8:00 a.m. to 4:00 p.m.; hunters must check in and check out; daily quota filled on first-come, first-serve basis; DOC issued back patch must be worn while hunting; only shot size of No. 5 lead or No. 3 steel or smaller may be used)

* Horseshoe Lake Conservation Area, Alexander County Public Goose Hunting Area, August 1 - October 15; other portions of Public Hunting Area open during statewide season

Iroquois County Conservation Area; September 1 - 30

Johnson Sauk Trail State Park; September 15 - 30

Jubilee College State Park; September 1-30 (Sunrise - 4:00 p.m.)

Kankakee River State Park; September 1-30

Moraine View State Park; September 1 - day before opening of site's permit pheasant season (Sunrise - 4:00 p.m.)

Silver Springs State Park; September 1 - 30 in Areas B and C; harvest must be reported before leaving the site; daily quota filled on first-come, first-serve basis

Spring Lake Conservation Area; September 10 - 30 (Sunrise - 4:00 p.m.)

* Union County Conservation Area - Public geese Hunting Area; August 1 - October 15; other portions of Public Hunting area open during statewide season

Woodford County Conservation Area; September 1 -30

f) Statewide regulations as provided in this Part apply at

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the following sites with exceptions noted in parentheses. In addition, hunters must obtain a free permit from site office. Permits must be in possession while hunting. The permit must be returned and harvest reported by February 15 or hunter will forfeit hunting privileges for that site for the following year.

Clinton Lake State Park

Eagle Creek State Park (Season opens September 15)

- * Fox Ridge State Park (no handguns)
- * Hidden Springs State Forest (.22 rimfire rifles and muzzle-loading rifles permitted after October 1 only; no handguns)
- * Lake Shelbyville Eagle Creek Wildlife Management Area (no handguns)

Mt. Vernon Propagation Center (August 1-31 September 30; sunrise to 3:00 p.m.-12:00 Noon; site permit required; report by September-October 15 or lose hunting privileges the following year)

(Source: Amended at 17 Ill. Reg. _____, effective _____)

DEPARTMENT OF CONSERVATION

NOTICE OF PROPOSED AMENDMENTS

- 1) HEADING OF THE PART: The Taking of Wild Turkeys - Fall Archery Season

- 2) CODE CITATION: 17 Ill. Adm. Code 720

- 3) SECTION NUMBERS: PROPOSED ACTION:

720.10 Amendments
720.20 Amendments
720.40 Amendments

- 4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 2.9, 2.10 and 2.11 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.3, 1.4, 2.9, 2.10 and 2.11) [520 ILCS 5/1.3, 5/1.4, 5/2.9, 5/2.10 and 5/2.11].

- 5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED: Bond, Bureau, Clark, Cumberland, Mercer, Stephenson, Whiteside and Winnebago counties will be opened to fall wild turkey hunting. The fall archery season will be opened from October 1, 1993 through January 13, 1994, except it will be closed during the firearm deer season. Children younger than 16 years of age must pass a hunter safety course prior to receiving a free landowner archery permit. The non-resident turkey archery permit fee will be \$50.00.

- 6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

- 7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

- 8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

- 9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART? No

- 10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

- 11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

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DEPARTMENT OF CONSERVATION

NOTICE OF PROPOSED AMENDMENTS

Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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DEPARTMENT OF CONSERVATION

NOTICE OF PROPOSED AMENDMENTS

TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 720

THE TAKING OF WILD TURKEYS - FALL ARCHERY SEASON

Section
720.10
720.20
720.30
720.40
720.50

Hunting Seasons and Counties Open to Hunting
Turkey Permit Requirements
Turkey Hunting Regulations
Regulations at Various Department-Owned or -Managed Sites
Releasing or Stocking of Turkeys (Repealed)

AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 2.9, 2.10 and 2.11 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.3, 1.4, 2.9, 2.10 and 2.11) [520 ILCS 5/1.3, 1.4, 2.9, 2.10 and 2.11].

SOURCE: Adopted and codified at 8 Ill. Reg. 7825, effective May 22, 1984; emergency amendments at 8 Ill. Reg. 20086, effective October 12, 1985, for a maximum of 150 days; emergency expired March 2, 1985; amended at 9 Ill. Reg. 14311, effective September 5, 1985; amended at 11 Ill. Reg. 9556, effective May 5, 1987; amended at 12 Ill. Reg. 12254, effective July 15, 1988; amended at 13 Ill. Reg. 12831, effective July 21, 1989; amended at 14 Ill. Reg. 12413, effective July 20, 1990; amended at 15 Ill. Reg. 11611, effective August 2, 1991; amended at 16 Ill. Reg. 11093, effective June 30, 1992; amended at 16 Ill. Reg. 15442, effective September 28, 1992; amended at 17 Ill. Reg. 281, effective December 28, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 720.10 Hunting Seasons and Counties Open to Hunting

- a) **Season:** Statewide season October 1 through the latest date authorized by the Wildlife Code, but no later than January 1314 (Ill. Rev. Stat. 1991, ch. 61, par. 2-10), closed during firearm deer season, as set out in 17 Ill. Adm. Code 650, except those Department of Conservation (Department or DOC) sites designated below by asterisk, shall be open to archery turkey hunting without regard to firearm deer season. (No firearm deer hunting pursuant to 17 Ill. Adm. Code 650 allowed).

- b) Open Counties:

Adams
Alexander
Bond

Johnson
Knox
Macoupin

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Brown
Bureau
 Calhoun
 Carroll
 Cass
 Clark
 Clay
 Cumberland
 Effingham
 Fayette
 Fulton
 Gallatin
 Greene
 Hancock
 Hardin
 Henderson
 Jackson
 Jersey
 Jo Daviess

Marion
 Marshall
 McDonough
 Mercer
 Monroe
 Ogle
 Pike
 Pope
 Putnam
 Randolph
 Rock Island
 Saline
 Schuyler
 Scott
 Stephenson
 Union
 Washington
 Whiteside
 Williamson
 Winnebago

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 720.20 Turkey Permit Requirements

- a) To take, or attempt to take, a wild turkey, Illinois residents must first obtain a "Wild Turkey Hunting Permit" from the Department of Conservation for a fee of \$5.00. Non-resident turkey hunters shall be charged the same fee \$50.00 for wild turkey hunting permits as that charged residents of Illinois by the state in which the applicant resides, except that in no case shall the fee be less than \$20.00. If the state in which the applicant resides does not provide for turkey hunting by Illinois residents, then the fee shall be \$75.00. Non-residents are also required to obtain a Non-Resident Hunting license before hunting wild turkeys. Residents, except those exempted by Section 3.1 of the Wildlife Code (Ill. Rev. Stat., 1991, ch. 61, par. 3.1) are also required to obtain a hunting license before hunting wild turkey. Applications for wild turkey permits must be mailed to:

Department of Conservation - Fall Archery Wild Turkey Permit
 524 S. Second Street, Room 210
 P.O. Box 19446
 Springfield, Illinois 62794-9446

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- b) Applicants must complete all portions of the permit application form. Incomplete applications will be rejected and fees returned. Each applicant must submit a personal check or money order for his/her individual application. Applicants submitting applications within three weeks of the season will not be guaranteed receipt of permit by start of season.
- c) Applications will be accepted beginning the first Monday in June. All requests must be on an official application form. Permits are not transferable and refunds will not be granted.
- d) Landowners including non-resident and out-of-state landowners who own 40 acres or more land and resident tenants and members of their immediate family may apply for a free turkey permit for their property only in counties open for turkey hunting. A resident tenant for the purpose of this Part is one who rents 40 acres or more land for commercial agricultural purposes under an agreement with a landowner. Commercial agriculture shall be defined as utilization of land for the raising of hay, grain crops or livestock for profit. All landowners or tenants that do not reside on the property must possess a valid hunting license. If the property is owned or rented by more than one person: Only one landowner (and his immediate family) or one tenant (and his immediate family) will be issued a permit for every 40 acres of owned or rented land. For example, if 3 persons own 90 acres, only 2 of the landowners and their immediate family may receive permits.
- e) ~~Landowners, or tenants are not required to participate in the public drawing for permits and are not counted toward the total number of permits issued for a particular county.~~
- 1) The immediate family is limited to the spouse, children, and parents permanently residing on the same property as the landowner or tenant.
 - 2) Proof of ownership for all free landowner or tenant applications must be provided by one of the following methods:
 - A) Submittal of a copy of property deed;
 - B) Submittal of a copy of contract for deed;

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- C) Submittal of a copy of a tax statement for the property (upon which the landowner's name appears as landowner, or person signing application appears as landowner);
- D) Submittal of a copy of either an Agricultural Stabilization and Conservation Service 476 or Commodity Credit Corporation 477 Form; or
- E) Submittal of a copy of a trust agreement which must indicate that the trust owns at least 40 acres and the applicant is a beneficiary of the trust.

3) If you are applying for a tenant permit, you are required to submit in addition to the landowner certification and proof of ownership, a copy of one of the following:

- A) Submittal of a copy of a lease or rental agreement, file stamped as recorded by the County Clerk, covering the current year; or
- B) Submittal of a copy of either an Agricultural Stabilization and Conservation Services 476 Form or Commodity Credit Corporation 477 Form.

4) A hunting rights lease or other non-agricultural lease, is not valid as a basis for obtaining a landowner or tenant permit. A trustee of a land trust is not eligible to receive a landowner permit.

5) Shareholders of corporations owning 40 or more acres of land in a county may apply for a free permit to hunt the corporation lands only. Only one permit per 40 acres, for a maximum number of 15 permits per county shall be issued based on ownership of lands by corporations. Lands leased to corporations shall not be considered as a basis for a free permit for the shareholders of the trustee. If application is made for a free permit based upon lands owned by the corporation, a duly authorized officer of the corporation must sign a notarized statement authorizing the applicant to hunt on the corporate lands for which a permit is being requested. This statement must identify the applicant is a shareholder, identify authorization

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to hunt and identify that no more than 15 authorizations will be requested per county for the corporation lands. This document must be attached to the application upon submittal to the Permit Office.

f) A \$3.00 service fee will be charged for replacement permits issued by the Department, except when permits are lost in the mail then there will be no charge.

g) It shall be unlawful to:

- 1) Submit more than one application for the same person.
- 2) Provide false and/or deceptive information on a permit application form. In addition to criminal charges, individuals found guilty of violating this Section shall have their application rejected, permit revoked, and fees forfeited. The procedure by which an individual may appeal an application rejection, permit revocation, and the forfeiture of fees is set forth in 17 Ill. Adm. Code 2530 (Department Formal Hearings Conducted for Rulemaking and Contested Cases).

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 720.40 Regulations at Various Department-Owned or -Managed Sites

- a) All the regulations in 17 Ill. Adm. Code 510 - General Hunting and Trapping apply in this Section, unless this Section is more restrictive.
- b) Statewide regulations shall apply for the following sites:

AMAX Leased Lands

Anderson Lake Conservation Area

Argyle Lake State Park (October 15 through the latest date authorized by the Wildlife Code, but no later than January 14 (11, Rev. Stat., 1991, ch. 617, par. 2-10 statewide closing)

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~~Beaver Dam State Park (2 hunters per day; closed weekends)~~

Big River State Forest

Cache River State Natural Area (Little Black Slough Hunting Area)

Carlyle Lake Wildlife Management Area and Corps of Engineers managed land (subimpoundment area closed 3 days prior to and during the duck season)

Castle Rock State Park (November 1 through the latest date authorized by the Wildlife Code, but no later than January 14 (Ill. Rev. Stat., 1991, ch. 617, par. 2.10 statewide closing)

Dog Island Wildlife Management Area

Ferne Clyffe State Park

Fort de Chartres Historic Site

Giant City State Park

I-24 Wildlife Management Area

Kaskaskia River State Fish and Wildlife Area (south of Highway 154 only)

Kinkaid Lake Fish and Wildlife Area

Lowden-Miller State Forest

Mississippi Palisades State Park (season dates - November 1 through the latest date authorized by the Wildlife Code, but no later than January 14 (Ill. Rev. Stat., 1991, ch. 617, par. 2.10 December 31)

Mississippi River Pool 16, 17 and 18 in Henderson County only

Panther Creek Conservation Area

Pere Marquette State Park

Pike County Conservation Area Hunting closes

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November 30 in Area A; Hunting closes December 15 in Area C

* Ramsey Lake State Park

* Randolph County Conservation Area

Reekhouse Creek (Menzie County)

Saline County Conservation Area

Sanganois State Wildlife Area

Shawnee National Forest

Siloam Springs State Park

Site M (in designated areas only; hunting will be allowed on weekends as announced by the Department)

* Stephen A. Forbes State Park

Sunspot Mine (Fulton and Schuyler Counties)

Tapley Woods

Trail of Tears State Forest

Turkey Bluffs Fish and Wildlife Area

Union County Public Hunting Area (October 1-15 only)

Union County Conservation Area - Firing Line Management Unit only

Weinburg-King State Park

Witkowsky State Wildlife Area

c) Additional regulations may be posted at the sites when more restriction is required. These additional regulations shall include, but not be limited to, selected check stations, limited hunting hours, and designated first-come, first-served sites.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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DEPARTMENT OF CONSERVATION

NOTICE OF PROPOSED AMENDMENTS

- 1) HEADING OF THE PART: The Taking of Wild Turkeys - Fall Gun Season

- 2) CODE CITATION: 17 Ill. Adm. Code 715

- 3) SECTION NUMBERS:

715.10
715.20
715.21
715.40

PROPOSED ACTION:

Amendments
Amendments
New Section
Amendments

- 4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.20, 2.9, 2.10 and 2.11 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.3, 1.4, 1.20, 2.9, 2.10 and 2.11) [520 ILCS 5/1.3, 5/1.4, 5/1.20, 5/2.9, 5/2.10 and 5/2.11].

- 5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
Hancock and Randolph counties are open to wild turkey hunting during the fall gun season. Marshall and Putnam counties are closed to wild turkey hunting during the fall gun season. Turkey hunters will only be able to obtain two permits for the fall gun turkey season. Savanna Army Depot will be a special hunt area. Non-residents will be charged \$75.00 for their first permit and \$25.00 for the second permit. Children younger than 16 years of age must pass a hunter safety course prior to receiving a free landowner turkey permit.

- 6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

- 7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

- 8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

- 9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART?
No

- 10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

- 11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

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Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 715

THE TAKING OF WILD TURKEYS - FALL GUN SEASON

Section

715.10 Hunting Season, Open Counties and Permit Quotas
715.20 Turkey Permit Requirements
715.21 Turkey Permit Requirements - Special Hunts
715.30 Turkey Hunting Regulations
715.40 Regulations at Various Department-Owned or -Managed Sites

AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.20, 2.9, 2.10 and 2.11 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.3, 1.4, 1.20, 2.9, 2.10 and 2.11) [520 ILCS 5/1.3, 1.4, 1.20, 2.9, 2.10 and 2.11].

SOURCE: Adopted at 13 Ill. Reg. 14950, effective September 6, 1989; amended at 14 Ill. Reg. 12421, effective July 20, 1990; amended at 15 Ill. Reg. 11618, effective August 2, 1991; amended at 16 Ill. Reg. 11101, effective June 30, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 715.10 Hunting Season, Open Counties and Permit Quotas

a) Season: October 4716 through October 25, 1992-24, 1993.

b) Open Counties

OPEN COUNTIES

Adams
Alexander
Brown
Calhoun
Carroll
Gallatin/Hardin (south of Rt. 13 only)
Greene
Hancock
Jackson
Jersey
Jo Daviess
~~Marshall/Putnam (east of Ill. River only;~~
~~north of State Hwy 17 and south of the~~
~~McNabb Blacktop (County Road 500 N. only))~~
Pike

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Pope (north of Rt. 146 only)

Randolph
Saline
Schuyler
Union
Williamson

c) Permit quotas shall be set by the Department of Conservation on a county or special hunt area basis.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 715.20 Turkey Permit Requirements

a) To take, or attempt to take, a wild turkey, Illinois residents must first obtain a "Wild Turkey Hunting Permit" from the Department of Conservation for a fee of \$15.00. Non-resident turkey hunters shall be charged the same fee \$15.00 for the first wild turkey hunting permits as that charged residents of Illinois by the state in which the applicant resides, except that in no case shall the fee be less than \$30.00. If the state in which the applicant resides does not provide for turkey hunting by Illinois residents, then the fee shall be \$75.00. Non-residents are also required to obtain a Non-Resident Hunting License before hunting wild turkeys permit. If a second permit is obtained, the fee shall be \$25.00. Residents, except those exempted by Section 3.1 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, par. 3.1) [520 ILCS 5/3.1] are also required to obtain a hunting license before hunting wild turkey. Permits are issued for a specific county or area and are valid only in the county or area designated on the permit. Applications for wild turkey permits must be mailed to:

Department of Conservation - Turkey
524 S. Second Street, Room 210
P.O. Box 19446
Springfield, IL 62794-9446

b) Applicants must complete all portions of the permit application form. Incomplete applications shall be rejected and fees returned. Each applicant must submit a personal check or money order for his/her individual application. Not more than 6 applications may be submitted for group hunters. Applicants submitting applications within three weeks of the season shall not

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be guaranteed receipt of permit by start of season.

- c) Applications shall be accepted from residents only beginning the first Monday in July. All requests must be on an official application form. Permits are not transferable and refunds shall not be granted. Permits shall be allocated in a computerized drawing to be held in Springfield in which the first choice of county shall be allocated before the second choice is considered. Applications post-marked after July 17th shall not be included in the drawing.
- d) Permits not issued during the computerized drawing shall be available in a random daily drawing beginning August 24th. All hunters not receiving a permit in the computerized drawing and non-residents may apply at this time for the available permits.
- e) Any permits not issued as of the third Monday in September shall also be available in a random daily drawing to those hunters who have previously received one permit. Hunters may obtain a maximum of two permits for the fall gun season.
- f) Landowners including non-resident and out-of-state landowners who own 40 acres or more land and resident tenants and members of their immediate family may apply for one free turkey permit for their property only in areas open for turkey hunting. A resident tenant for the purpose of this Part is one who rents 40 acres or more land for commercial agricultural purposes under an agreement with a landowner. Commercial agriculture shall be defined as utilization of land for the raising of hay, grain crops or livestock for profit. All landowners or tenants that do not reside on the property must possess a valid hunting license.
- g) Landowners, or tenants are not required to participate in the public drawing for permits and are not counted toward the total number of permits issued for a particular county.
 - 1) The immediate family is limited to the spouse, children, and parents permanently residing on the same property as the landowner or tenant.
 - 2) Proof of ownership for all free landowner or tenant applications must be provided by one of the

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following methods:

- A) Submittal of a copy of property deed;
 - B) Submittal of a copy of contract for deed;
 - C) Submittal of a copy of a tax statement for the property (upon which the landowner's name appears as landowner, or person signing application appears as landowner);
 - D) Submittal of a copy of either an Agricultural Stabilization and Conservation Service 476 or Commodity Credit Corporation 477 Form; or
 - E) Submittal of a copy of a trust agreement which must indicate that the trust owns at least 40 acres and the applicant is a beneficiary of the trust.
- 3) If you are applying for a tenant permit, you are required to submit, in addition to the landowner certification and proof of ownership, a copy of one of the following:
- A) A copy of a lease or rental agreement, file stamped as recorded by the County Clerk, covering the current year; or
 - B) A copy of either an Agricultural Stabilization and Conservation Services 476 form or Commodity Credit Corporation 477 form.
- 4) A hunting rights lease, or other non-agricultural lease, is not valid as a basis for obtaining a landowner or tenant permit.
- 5) If the property is owned or rented by more than one person: Only one landowner (and his immediate family) or one tenant (and his immediate family) shall be issued a permit for every 40 acres of owned or rented land.
- 6) For example, if 3 persons own 90 acres, only 2 of the landowners and their immediate family may receive turkey permits.
- 7) Shareholders of corporations owning 40 or more

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acres of land in an area open to hunting may apply for a free permit to hunt the corporation lands only. Only one permit per 40 acres, for a maximum number of 15 permits per county shall be issued based on ownership of lands by corporations. Lands leased to corporations shall not be considered as a basis for a free permit for the shareholders of the lessee. Lands held in trust by corporations shall not be considered as a basis for a free permit by the shareholders of the trustee. If application is made for a free permit based upon lands owned by the corporation, a duly authorized officer of the corporation must sign a notarized statement authorizing the applicant to hunt on the corporate lands for which a permit is being requested. This statement must identify the applicant as a shareholder, identify authorization to hunt and identify that no more than 15 authorizations will be requested per county for the corporation lands. This document must be attached to the application upon submittal to the Permit Office.

h) A \$3.00 service fee shall be charged for replacement permits issued by the Department, except when permits are lost in the mail, no charge will be made.

i) It shall be unlawful to:

- 1) Submit applications for receiving more than one permit for the same person; or
- 2) Provide false and/or deceptive information on a permit application form. In addition to criminal charges, individuals found guilty of violating this Section shall have their application rejected, permit revoked, and fees forfeited.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 715.21 Turkey Hunting Regulations - Special Hunts

Special hunts are regulated by the agency which manages the property. The Permit Office only issues turkey hunting permits for Savanna Army Depot (JoDavies County).

(Source: Added at 17 Ill. Reg. _____, effective _____)

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Section 715.40 Regulations at Various Department-Owned or -Managed Sites

- a) Statewide regulations (See 17 Ill. Adm. Code 510) shall apply for the following sites:

~~AMAX Leased Lands in Schuyler County~~

Mississippi River Pools 21, 22, 24, 25 and 26

Pike County Conservation Area

Shawnee National Forest

Sunspot Mine (Schuyler County only)

- b) Statewide regulations shall apply except that all hunters must check in and check out and must report turkey harvest at the check station or on a sign out sheet at the areas listed below. Quotas, where listed, shall be on a first-come, first-serve basis. Hunters shall not be allowed to sign in prior to 4 a.m. each day of the season.

Giant City State Park

Pere Marquette State Park - Public Hunting Area

Saline County Conservation Area

Siloam Springs State Park - quota will be publicly announced

Tapley Woods - quota will be publicly announced

Trail of Tears State Forest

Union County Conservation Area - Firing Line Management Unit Only

Weinburg-King State Park

Witkowsky State Wildlife Area - quota will be publicly announced

- c) Additional regulations may be posted at the sites when more restriction is required. These additional regulations shall include, but not be limited to,

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selected check stations, limited hunting hours, and designated first-come, first-serve sites.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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1) HEADING OF THE PART: White-Tailed Deer Hunting by Use of Bow and Arrow

2) CODE CITATION: 17 Ill. Adm. Code 670

3) SECTION NUMBERS:

670.10
670.20
670.30
670.40
670.50
670.60

PROPOSED ACTION:
Amendments
Amendments
Amendments
Amendments
Amendments

4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 2.1, 2.2, 2.24, 2.25, 2.26, 2.33, 3.5, and 3.36 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 2.1, 2.2, 2.24, 2.25, 2.26, 2.33, 3.5, and 3.36) [520 ILCS 5/1.2, 5/1.3, 5/1.4, 5/2.1, 5/2.2, 5/2.24, 5/2.25, 5/2.26, 5/2.33, 5/3.5 and 5/3.6].

5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
The amendments to this Part allow bow hunters to obtain two, either-sex archery permits even though they have applied for or received a firearm or muzzleloading rifle deer permit and add/delete sites open to archery hunting.

6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART? No

10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

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Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 670

WHITE-TAILED DEER HUNTING BY USE OF BOW AND ARROW

Section

670.10 Statewide Open Seasons and Counties
670.20 Statewide Deer Permit Requirements
670.30 Statewide Legal Bow and Arrow
670.40 Statewide Deer Hunting Rules
670.50 Rejection of Application/Revocation of Permits
670.55 Reporting Harvest
670.60 Regulations at Various Department-Owned or -Managed Sites

AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 2.1, 2.2, 2.24, 2.25, 2.26, 2.33, 3.5, and 3.36 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 2.1, 2.2, 2.24, 2.25, 2.26, 2.33, 3.5, and 3.36) 1520 ILCS 5/1.2, 1.3, 1.4, 2.1, 2.2, 2.24, 2.25, 2.26, 2.33, 3.5 and 3.6].

SOURCE: Adopted at 5 Ill. Reg. 8888, effective August 25, 1981; codified at 5 Ill. Reg. 10641; emergency amendment at 5 Ill. Reg. 11402, effective October 14, 1981, for a maximum of 150 days; emergency expired March 13, 1982; amended at 6 Ill. Reg. 10721, effective August 20, 1982; emergency amendment at 6 Ill. Reg. 15581, effective December 14, 1982, for a maximum of 150 days; emergency expired May 13, 1983; amended at 7 Ill. Reg. 10790, effective August 24, 1983; amended at 8 Ill. Reg. 19004, effective September 26, 1984; amended at 9 Ill. Reg. 14317, effective September 9, 1985; amended at 10 Ill. Reg. 16658, effective September 22, 1986; amended at 11 Ill. Reg. 2275, effective January 20, 1987; amended at 12 Ill. Reg. 12042, effective July 11, 1988; amended at 13 Ill. Reg. 12839, effective July 21, 1989; amended at 14 Ill. Reg. 14787, effective September 4, 1990; amended at 14 Ill. Reg. 19859, effective December 3, 1990; amended at 15 Ill. Reg. 10021, effective June 24, 1991; amended at 15 Ill. Reg. 16691, effective October 31, 1991; amended at 16 Ill. Reg. 11116, effective June 30, 1992; amended at 17 Ill. Reg. 286, effective December 28, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 670.10 Statewide Open Seasons and Counties

- a) All regulations set forth in Chapter 61, Section 2.26 of the Wildlife Code apply in this rule.

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- b) For Cook, DuPage, Kane and Lake counties - October 1 through the latest date authorized by the Wildlife Code, but no later than January 14 13 (Ill. Rev. Stat. 1991, ch. 61, par. 2-25), closed during the period when deer hunting with a firearm is permitted as set out in 17 Ill. Adm. Code 650, except Department of Conservation (Department or DOC) owned or managed sites designated below by an asterisk shall be open to archery deer hunting without regard to firearm deer season. (No firearm deer hunting pursuant to 17 Ill. Adm. Code 650 allowed).
- c) For all other counties - October 1 through the latest date authorized by the Wildlife Code, but no later than January 14 13 (Ill. Rev. Stat. 1991, ch. 61, par. 2-25), closed during the period when deer hunting with a firearm is permitted as set out in 17 Ill. Adm. Code 650, except Department of Conservation (Department or DOC) owned or managed sites designated below by an asterisk shall be open to archery deer hunting without regard to firearm deer season. (No firearm deer hunting pursuant to 17 Ill. Adm. Code 650 allowed).

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 670.20 Statewide Deer Permit Requirements

- a) Illinois resident hunters must have a current, valid "Archery Deer Permit" (\$15.00). These persons who were Illinois residents at the time of application for multiple year bow and arrow deer permits shall be allowed to utilize such permits regardless of future residency. Deer permit fees for non-resident archery hunters shall be \$100.00 for each either-sex archery permit and \$25.00 for the antlerless-only archery deer permit and \$25.00 as an Illinois resident would be charged for a deer hunting permit by the state in which the applicant resides, except in no case shall the fee be less than \$50.00, and if the state in which the applicant resides does not provide for deer hunting by Illinois residents then the fee shall be \$100.00. The permit will authorize the holder to hunt in any of the open counties of the State, on property where permission to hunt has been obtained from the property owner. For permit applications and other information, write to:

Department of Conservation
Archery Deer Permit Office
524 South Second Street, Room 210
P.O. Box 19227
Springfield, Illinois 62794-9227

- b) Applicants must submit an application using the official current Archery Deer Permit application form.

Applications submitted on forms from previous years will be returned. Applicants must complete all portions of the permit application form. Incomplete applications and fees will be returned. Each applicant must submit a personal check or money order for his individual application. Applicants for multiple year either-sex permits must submit a check for the total number of permits applied for at \$15 per permit, and will receive subsequent year either-sex permits without needing to re-apply. Such applicants remain subject to all other requirements of this Part.

- c) Dates of acceptance of applications will be announced publicly. No application for a second either-sex archery permit will be accepted after the publicly announced closing date for multiple archery applications. Applicants applying for two either-sex archery permits are ineligible to apply for a firearm or muzzleloading only permit until August 15.
- d) Two either-sex archery applications received after the closing date for multiple either-sex archery applications or firearm applications received before August 15 and after submission of two either-sex archery applications subjects the applicant to the penalties prescribed in Section 670.50.
- ed) Landowners including non-resident and out-of-state landowners who own 40 acres or more of land, or resident tenants renting or leasing 40 acres or more of farm land, and members of their immediate family whose permanent domicile is the same as that of the landowner or tenant, may apply for a free permit for their property only. Landowners or tenants having been issued a free landowner/tenant either-sex archery permit shall be issued an additional antlerless-only free landowner/tenant archery permit. The deer hunting permit issued without fee shall be valid on all farm lands which the person to whom it is issued owns, leases, or rents. (Ill. Rev. Stat. 1991, ch. 61, par. 2.26) [520 ILCS 5/2.26].
- fe) The immediate family of a landowner or tenant is limited to the spouse, children or parents permanently residing with the landowner or tenant, or permanently residing on the same property. If the property is owned or rented by more than one person: Only one landowner (and his immediate family) or one tenant (and his immediate

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family) will be issued a permit for every 40 acres of owned or rented land. For example, if 3 persons own 90 acres, only 2 of the landowners and their immediate family may receive deer permits. Shareholders of corporations owning 40 or more acres of land in a county may apply for a free permit to hunt the corporation lands only. Only one permit per 40 acres, for a maximum number of 15 permits per county shall be issued based on ownership of lands by corporations. Lands leased to corporations shall not be considered as a basis for a free permit for the shareholders of the lessee. Lands held in trust by corporations shall not be considered as a basis for a free permit by the shareholders of the trustee. If application is made for a free permit based upon lands owned by the corporation, a duly authorized officer of the corporation must sign a notarized statement authorizing the applicant to hunt on the corporate lands for which a permit is being requested. This statement must identify the applicant as a shareholder, identify authorizations to hunt and identify that no more than 15 authorizations will be requested per county for the corporation lands. This document must be attached to the application upon submittal to the Permit Office.

g) A tenant for the purpose of this Part is one who rents 40 acres or more land for commercial agricultural purposes under an agreement with a landowner. Hunting and mineral rights leases are not valid for a tenant permit. Commercial agriculture shall be defined as utilization of land for the raising of hay, grain crops or livestock for profit.

h) Permits are not transferable. Refunds will not be granted.

i) A three dollar \$3.00 service fee will be charged for replacement permits issued by the Department of Conservation (Department or DOC), except permits lost in the mail, then there will be no charge. Monies from this source will be deposited in the Wildlife and Fish Fund.

j) ~~Applicants applying for two either-sex archery permits must submit both applications not later than August 15 of the current year.~~

k) Applicants submitting applications for a single archery permit after September 1 will not be guaranteed a permit

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by October 1.

l)

Out-of-state applicants must contact the Department of Conservation Archery Deer Permit Office, 524 S. Second Street, Room 210, P.O. Box 19227, Springfield, Illinois 62794-9227, for a non-resident application and fee information.

m)

Anyone may submit an application for one antlerless-only Archery Deer Permit (\$15.00) (\$25.00 for non-residents) fee. The application period for these permits will be announced via a news release. The application for, or receipt of this antlerless-only Archery Deer Permit will not affect a hunter's eligibility to receive any other deer permit(s), except for non-residents who must purchase an either-sex permit first.

n)

The maximum number of either-sex archery deer permits an applicant can receive is two.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 670.30 Statewide Legal Bow and Arrow

a)

The only legal hunting devices to take, or attempt to take, deer are: a long, recurved, or compound bow with minimum pull of 40 pounds at some point within a 28-inch draw; an arrow with a minimum length of 20 inches and with a metal barless broadhead that cannot pass through a 7/8 inch diameter hole is the only legal arrow. All other bows and arrows, including electronic arrow tracking systems, are illegal.

b)

A crossbow device is illegal except as provided by Section 2.26 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, par. 2.26) [520 ILCS 5/2.26]. It is unlawful to carry any firearm or sidearm while hunting deer with a bow and arrow.

c)

Any mechanical device capable of maintaining a drawn or partially drawn position on a bow without the hunter exerting full string tension is illegal, except as noted in subsection (b) above.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 670.40 Statewide Deer Hunting Rules

- a) The bag limit is one deer per legally authorized either-sex, antlered-only or antlerless-only permit. An either-sex permit holder is allowed to take a deer with or without antlers. An antlered-only permit holder is allowed to take only a deer having at least one antler of a length of 3 or more inches. An antlerless only permit holder is allowed to take only a deer without antlers or a deer having antlers less than 3 inches long.

b) ~~Totally white-white-tailed deer are protected by Illinois law and are illegal to kill, pursuant to Sec. 2-24 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, par. 2-24)~~

c) The Archery Deer Hunting Permit shall be signed and carried with you while hunting include the hunter's signature, date of birth, hunting license number (unless exempt), and physical description recorded on the permit and be carried on the person while hunting.

d) The leg tag shall be attached and properly sealed immediately upon kill and before the deer is moved, transported or field dressed. No person shall leave any deer that has been killed without properly attaching the leg tag to the deer. The head/antler or hide tag shall be attached to the head/antler and hide when detached from the carcass. The head/antler tag and hide tag must remain attached to the appropriate parts until the deer is delivered to a licensed fur buyer, tanner, or taxidermist for processing. The leg tag must remain attached to the leg of the deer until it is processed, then must remain with the processed deer until it is at the legal residence of the person who legally took or possessed the deer.

e) Hunters shall not have in their possession while in the field during archery deer season, any deer permit issued to another person (Permits are non-transferable).

f) Permits will not be re-issued in cases involving deer taken which are found to be diseased or spoiled due to previous injury. Disposal of unfit deer taken shall be the responsibility of the hunter.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 670.50 Rejection of Application/Revocation of Permits

- a) In the event that an applicant is in violation of one of the following subsections, the application shall be held in suspension, and the application fees shall be deposited, pending a determination by the permit office of whether the violation was knowing. If the permit office determines the violation was knowing, the application shall be rejected and the fee shall be retained by Conservation. The applicant may request a hearing on this decision pursuant to 17 Ill. Adm. Code 2530. Should the permit office determine that the violation was without the knowledge of the applicant, improper applications will be rejected and the fee retained by Conservation and proper applications shall be processed.

1) Using a hunting rights lease, mineral rights lease or other lease for land which does not evidence a genuine farm tenancy to obtain an archery deer permit;

2) Submitting more applications in the same name or by the same person for an archery deer permit than allowed for in Section 670.20;

3) Providing false and/or deceptive information on the deer permit application form.

4) Submitting an application when the applicant has a license or permit currently revoked pursuant to Section 3.36 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, par. 3.36) [520 ILCS 5/3.36].

5) Applying for two either-sex archery deer permits if the applicant has already been issued a muzzleloading rifle or firearm deer permit Applying for more than two either-sex archery deer permits or one antlerless-only permit.

b) Any violations of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.1 et seq.) [520 ILCS 5/1.1 et seq.] or administrative rules of the Department (17 Ill. Adm. Code, Chapter 1), in addition to other penalties, may result in revocation of deer hunting permits as per 17 Ill. Adm. Code 2530.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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Section 670.60 Regulations at Various Department-Owned or -Managed Sites

- a) All the regulations in 17 Ill. Adm. Code 510 (General Hunting and Trapping) apply in this Section, unless this Section is more restrictive.
- b) The subsections listed below are referred to by number in subsections 670.60(c) through (1). Some of the sites listed in subsections 670.60(c) through (1) have numbers in parentheses which explain the definitions in this Section which apply to that site.
 - 1) Tree stands that are used for hunting deer must be legibly marked with the owner's name, address and telephone number when left unattended. These tree stands must comply with restrictions listed in Section 510.10(c)(3) and must be portable.
 - 2) Only one tree stand is allowed per hunter.
 - 3) Tree stands may be left unattended overnight only during the period from two weeks before through two weeks after the close of archery deer season.
 - 4) Tree stands may be left unattended overnight only during the archery deer season.
 - 5) Tree stands may be left unattended overnight only during the archery deer season. They may not be left overnight for more than four consecutive nights.
 - 6) Tree stands may be left unattended overnight only on Saturday nights during archery deer season.
- c) Statewide regulations as provided for in this Section shall apply except as noted in parentheses for the following sites:

AMAX Leased Lands

- Cache River State Natural Area ((1) (2) (4))
- Campbell Pond Wildlife Management Area ((1)(2)(4))

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- Carlyle Lake - Carlyle Lake Wildlife Management Area and Corps of Engineers managed lands (except Carlyle Lake Wildlife Management Area in the Subimpoundment Area, hunting closed three days prior to and during the regular waterfowl season).
- Chauncey Marsh (Permit required, may be obtained at Red Hills State Park headquarters; permit must be returned by 15 February; no hunting in dedicated Nature Preserve ((1)+ (3))
- Dog Island Wildlife Management Area ((1) (2) (4))
- * Eldon Hazlet State Park (North of Allen's Branch and West of Peppenhorst Branch only (1) (2) (5))
- Kaskaskia River Fish and Wildlife Area (Doza Creek Waterfowl Management Area, a part of this site, closed to hunting three days prior to the regular duck season).
- Kidd Lake State Natural Area ((1) (2) (5))
- Lake Shelbyville - Kaskaskia and West Okaw Fish and Wildlife Areas ((1)(2)(5))
- Lake-Kinkaid Lake Fish & Wildlife Area
- * Lowden-Miller State Forest (hunters must sign in and sign out and report harvest; hunting prohibited during the site's firearm deer hunt; only antlerless deer and deer with at least one antler with 4 or more points on one side may be harvested) ((1)(2)(4))
- Mississippi River Pools 16, 17, 18, 21, 22, 24
- Mississippi River Pools 25 and 26 ((1) (3))
- Oakford Conservation Area ((1)(2)(3))
- Panther Creek Conservation Area ((1) (4))
- Pike County Conservation Area (No hunting after November 30 in Area A; no hunting after December 15 in Area C)
- Rend Lake Project Lands and Waters

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~~Reekhouse Creek (Menard County) ((1) (3))~~

Sandy Ford (LaSalle County Conservation Area)

Sangamon County Conservation Area

Sanganois Conservation Area ((1) (4))

Shawnee National Forest

Sunspot Mine (Fulton and Schuyler Counties)

Ten Mile Creek Fish and Wildlife Area (permit required; areas designated as Refuge are closed to all access during Canada Goose season only; windshield cards must be displayed on dashboard of vehicle; permits must be returned by to District Wildlife Manager, P.O. Box 313, Olney IL 62450 by February 15; (1) (3))

Wildcat Hollow State Forest

Witkowsky State Wildlife Area

d) Statewide regulations as provided for in this part shall apply except that all hunters must check in and check out and report deer harvested at the check station. Any other variations are given in parentheses for the following sites:

* Argyle Lake State Park

* Banner Marsh Fish and Wildlife Area

* Big Bend Conservation Area ((1) (3))

Big River State Forest

Castle Rock State Park (season - November 1 through the latest date authorized by the Wildlife Code, but no later than January 14 (Ill. Rev. Stat., 1991, ch. 61, par. 2-25)) statewide closing)

Clinton Lake (Inner Peninsula and Mascoutin Areas Only) (Hunters will apply to site for permit to hunt specific time period within statewide season; permits shall be allocated by drawing held at site; procedures for application and drawing shall be

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announced by news release; hunters must fill one site specific antlerless permit before being allowed to take an antlered deer; permittees who violate the rules or provisions of this hunt will forfeit their participation privileges for the remainder of the season)

Crawford County Conservation Area ((1) (3))

Ferne Clyffe State Park ((1) (2) (4))

Fort de Chartres Historic Site ((1) (2) (5))

Fort Massac State Park ((1) (2) (4))

Franklin Creek State Park

Giant City State Park ((1) (2) (4))

Green River State Wildlife Area (Lee County Conservation Area) (closed during permit pheasant season)

Horseshoe Lake Conservation Area - Alexander County - Public Goose Hunting Area (October 1-15; reopens with the close of the quota zone goose season through statewide closing the latest date authorized by the Wildlife Code, but no later than January 14 (Ill. Rev. Stat., 1991, ch. 61, par. 2-25); other portions of the Public Hunting Area open during statewide season) ((1) (2) (4))

I-24 Wildlife Management Area ((1) (2) (4))

Johnson Sauk Trail State Park (October 1 - the day before the upland game season and on Mondays and Tuesdays during the upland game season)

Jubilee College State Park (closed the 1st weekend - Saturday and Sunday - of October)

Mackinaw River State Fish and Wildlife Area (October 15 through statewide closing)

Marseilles Fish and Wildlife Area (no hunting on Friday, Saturday, or Sunday in October; (1) (3))

Marshall State Fish and Wildlife Area

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* ~~Mt. Vernon Propagation Center; only antlerless deer may be taken ((1) (3))~~

* Randolph County Conservation Area ((1) (2) (5))

* Red Hills State Park ((1) (3))

* Rice Lake (season - the day after the close of the duck season through the latest date authorized by the Wildlife Code, but no later than January 14 (Ill. Rev. Stat. 1991, ch. 61, par. 2-25) statewide closing)

Saline County Conservation Area ((1) (3))

* Sam Parr Fish and Wildlife Area ((1)(2)(3))

Shabbona Lake State Park (Indian Road Wildlife Management Area)

* Siloam Springs State Park (archery deer season closed during second firearm deer season only) ((1) (2) (4))

Silver Springs State Park (daily quota posted at site; quota filled on first-come, first-serve basis)

Tapley Woods State Natural Area

Trail of Tears State Forest ((1) (2) (4))

Turkey Bluffs Fish and Wildlife Area ((1) (2) (5))

Union County Conservation Area - Public Goose Hunting Area (October 1 - 15; reopens with close of quota zone goose season through the latest date authorized by the Wildlife Code, but no later than January 14 (Ill. Rev. Stat. 1991, ch. 61, par. 2-25 statewide closing); Firing Line Management Unit open during statewide season) ((1) (2) (4))

* Washington County Conservation Area (closed until 3 p.m. Wednesday - Sunday during pheasant, quail and rabbit season; except during firearm deer season as set out in 17 Ill. Adm. Code 650.10 statewide hours shall apply bow deer hunters must wear a cap and upper outer garment of solid blaze orange of at

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least 400 square inches between 9:00 a.m. and 3:00 p.m. on those days when pheasant, quail and rabbit hunting is allowed during the site's controlled pheasant hunting season ((1) (2) (5))

Wayne Fitzgerald State Recreation Area (except closed Wednesday through Sunday during Controlled Pheasant hunting season, see 17 Ill. Adm. Code 530 ((1) (2) (4))

Woodford County Conservation Area

e) Statewide regulations as provided for in this part shall apply for deer bow hunting except that hunters must check out and report their harvest; any reduced hunting season and/or daily hunting hours if required are given in parentheses for the following sites:

* Anderson Lake Conservation Area

Beaver Dam State Park (hunting in designated area; hunting dates October 26 through October 30 - November 2 through November 5 and November 9 through November 13; number of hunters limited to two during each 5-day period; public drawing held at site office)

Iroquois County Conservation Area (closed Wednesday through Sunday of the permit pheasant season and during the non-permit pheasant season, except that hunting is permitted according to statewide regulations in the 80 acres north and east of Hooper Branch Nature Preserve; ((1) (2) (4))

Pere Marquette State Park (except in designated areas where hunting dates are from October 26-25 through October 30-31, November 2-1 through November 6-7 and November 9-8 through November 13-14; number of hunters limited to 15 during each 5-7 day period; public drawing held at Site Office ((1) (3))

Pyramid State Park ((1)(2)(4))

Siloam Springs State Park

Weinberg-King State Park

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f)

Statewide regulations as provided for in this Part shall apply and in addition hunters must obtain site permits at the site office or through the mail prior to hunting and must report success immediately after taking deer with additional requirements given in parentheses at the following sites:

Des Plaines Conservation Area (closed during the site's pheasant hunting season, except open on Mondays and Tuesdays only)

Des Plaines Game Propagation Center (hunters must park at the east gate and walk to the hunting area; hunting hours are statewide opening to 12:00 p.m. and must be out by 1:00 p.m.; hunters must also sign in and sign out with the daily quota to be filled on a first-come, first-served basis.)

Kankakee River State Park (Bow deer hunters hunting south of the Kankakee River are required to wear a cap and upper outer garment of solid and vivid blaze orange of at least 400 square inches between the hours of 9:00 a.m. to 3:00 p.m. on those days when pheasant, quail and rabbit hunting is allowed; the area north of the Kankakee River is closed to all hunting after November 30)

Mississippi Palisades State Park (season November 1 through the latest date authorized by the Wildlife Code, but no later than January 14 (Ill. Rev. Stat. 1991, ch. 61, par. 2-25 December 31)

Moraine View State Park (closed Wednesday through Sunday Saturday during permit pheasant season (1) (2) (4))

*-

Mt. Vernon Game Propagation Center (permits issued on a first-come, first-served basis; if quota is exceeded, drawing will be held on September 15; failure of hunters to sign in and out daily will result in forfeiture of site permit for remainder of season; daily quota to be filled on first-come, first-served basis) ((1)(3))

Pekin Lake State Fish and Wildlife Area (no hunting south of Big Lick Creek; one deer per hunter per year)

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Reek-Cut State Park (1st Monday in November - 2nd Friday in December, closed Thanksgiving Day, hours 1/2 hour before sunrise to 10:00 a.m.)

Sand Ridge State Forest ((1) (4)) ((3))

Spring Lake Conservation Area

g) Statewide regulations as provided for in this Part shall apply except as noted. ~~that all~~ hunters must check in and check out and report deer harvested at the check station. Hunting is prohibited within 200 yards of developed areas such as picnic and camping areas. Only antlerless deer and deer with at least one antler with 5 or more points on one side may be harvested.

Sangchris Lake Fish and Wildlife Area

h) Statewide regulations as provided for in this Part shall apply, except that hunting will be permitted on Saturdays and Sundays only as announced by the Department of Conservation at the following site. ~~Hunter quotas shall be announced by public news release. The check station will open at 5:00 a.m. and all hunters must check in and exchange their hunting license for a back patch which must be worn at all times while in the field. All hunters must check out immediately after hunting. Parking is permitted at designated parking areas only ((1) (6)). Site specific regulations will be publicly announced.~~

Site "M" Cass County

i)

Statewide regulations as provided for in this Part shall apply, except bow hunting shall be allowed only from 3 days following the close of fishing through December 31 statewide closing. Hunting hours are from one half hour before sunrise to 12 noon, hunters must check out by 1 p.m. A drawing shall be held at check station 90 minutes before sunrise; hunters must deposit their hunting license at check station before proceeding to the hunting area; hunters must wear DOC issued back patch while hunting. Individuals who have purchased a statewide archery permit are eligible to receive a daily site antlerless only permit, subject to drawing procedures. Hunting is closed on Mondays and Tuesdays.

Heidecke State Fish and Wildlife Area

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- j) Statewide regulations as provided for in this part shall apply, except bow hunting shall be allowed only on Mondays and Tuesdays, beginning on the Monday prior to the opening of permit pheasant hunting season and closing on the Tuesday following the close of the permit pheasant hunting season in designated areas only. Daily quota filled on first-come, first-serve basis. Hunting hours are from one-half hour before sunrise to 2:00 p.m., except on Christmas day when the area is closed to hunting. Hunters must check out by 3:00 p.m. Hunters must check in, check out, and report deer harvested at the main park entrance gatehouse. Monday hunting hours are per statewide regulations. Tuesday hunting hours are from one-half hour before sunrise to 2:00 p.m. and hunters must check out by 3:00 p.m. The area is closed to hunting on Christmas Day. Hunters must check in, check out, and report deer harvested at the main park entrance gatehouse. A special late season hunt will be held December 26, 1993 through statewide closing. Daily quota filled on a first-come, first-served basis. Statewide regulations are provided for in this part shall apply. Hunters must check in, check out, and report deer harvested at the Oak Point Access Area, where check in regulations will be posted.

Chain O'Lakes State Park

- k) Hunters must obtain a free permit from the site office. The permit must be in possession while hunting; failure to report harvest by February 15 shall result in loss of hunting privileges at the site for the following year.

Clinton Lake State Recreation Area (except Mascoutin Area and Inner Peninsula) (Tree stands must be marked with site hunting permit number visible from ground level (1) (2) (4))

Eagle Creek State Park

Fox Ridge State Park (1) (2) (4) (5) (season closes-December-31)

Hamilton County Conservation Area (1) (3))

Hidden Springs State Forest (1) (2) (4))

Lake Shelbyville Eagle Creek Wildlife Management Area

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- Mermet Conservation Area (1) (2) (4))
- Newton Lake State Fish and Wildlife Area (statewide regulations apply; check deer at headquarters; return permit to site office) (1) (3))
- * Ramsey Lake State Park (1) (3))
- * Sam Dale Lake Conservation Area (1) (2) (5))
- * Stephen A. Forbes State Park

- 1) Hunters must obtain free permit from site office; permit must be returned and harvest reported by February 15; failure to return permit shall result in loss of hunting privileges the next season.

Kickapoo State Park (1) (2) (4))

Middlefork Fish and Wildlife Area (1) (2) (4))

- m) Season dates to be announced by public news release; daily quota filled on first-come, first-served basis; only hunters with a filled or unfilled paid archery deer permit are eligible to hunt; hunters are required to take an antlerless deer before being eligible to take an antlered one; antlerless deer may be tagged with site specific antlerless only permit; antlered deer must be tagged with hunter's paid either sex statewide permit; hunters must check in and check out at check station; access to designated hunting areas will be allowed by vehicle by parking in designated areas or by boat; those hunters using boats are required to launch at the ramp access only; pre-hunt scouting will be limited to 10 a.m. to 2 p.m.; daily form announced first scouting date until the end of the site season, except that no scouting will be permitted during the firearm seasons.

Newton Lake Fish and Wildlife Area

- m) Hunters will apply to site for permit to hunt specific time period within statewide season; permits shall be allocated by random drawing at site; procedures for application and drawing shall be announced by news release; permit holders are required to return their permit and report harvest within ten days after the close of statewide bow season.

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Walnut Point Fish and Wildlife Area

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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1) HEADING OF THE PART: White-Tailed Deer Hunting by Use of Firearms2) CODE CITATION: 17 Ill. Adm. Code 6503) SECTION NUMBERS:650.20
650.21
650.22
650.30
650.40
650.50
650.60
650.65PROPOSED ACTION:Amendments
Amendments
Amendments
Amendments
Amendments
Amendments
New Section4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.24, 2.25, 2.26 and 3.36 of the Wildlife Code (Ill. Rev. Stat. 1991, ch 61, pars. 1.3, 1.4, 1.13, 2.24, 2.25, 2.26 and 3.36) [520 ILCS 5/1.3, 5/1.4, 5/1.13, 5/2.24, 5/2.25, 5/2.26 and 5/3.36].5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
The amendments to this Part were made to allow bow hunters to obtain two either-sex archery deer permits prior to the second random daily drawing even though they have a firearm deer permit, reduce the number of random daily drawings from three to two, make modifications in the permit allocation system and add/delete special hunt areas and state-owned or -managed sites.6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART?
No10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following

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publication of this notice to:

Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 650
WHITE-TAILED DEER HUNTING BY USE OF FIREARMS

Section
650.10
650.20
650.21

650.22
650.23
650.30
650.40
650.50
650.60
650.65
650.70

Statewide Season and Permit Quotas
Statewide Deer Permit Requirements
Deer Permit Requirements - Landowner/Tenant Permits - Paid and Free
Deer Permit Requirements - Special Hunts
Deer Permit Requirements - Group Hunt
Statewide Firearms Requirements
Statewide Deer Hunting Rules
Rejection of Application/Revocation of Permits
Regulations at Various Department-Owned or -Managed Sites
Youth Hunt
Special Extended Season Firearm Deer Hunt (Repealed)

AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.24, 2.25, 2.26 and 3.36 of the Wildlife Code (Ill. Rev. Stat. 1991, ch 61, pars. 1.3, 1.4, 1.13, 2.24, 2.25, 2.26 and 3.36) [520 ILCS 5/1.3, 1.4, 1.13, 2.24, 2.25, 2.26 and 3.36].

SOURCE: Adopted at 5 Ill. Reg. 9771, effective September 17, 1981; codified 5 Ill. Reg. 10640; amended at 6 Ill. Reg. 10730, effective August 20, 1982; amended at 7 Ill. Reg. 10798, effective August 24, 1983; amended at 8 Ill. Reg. 21602, effective October 23, 1984; amended at 9 Ill. Reg. 16213, effective October 10, 1985; emergency amendments at 9 Ill. Reg. 20922, effective December 18, 1985, for a maximum of 150 days; amended at 10 Ill. Reg. 4223, effective February 25, 1986; amended at 10 Ill. Reg. 16665, effective September 22, 1986; amended at 11 Ill. Reg. 3044, effective February 3, 1987; amended at 11 Ill. Reg. 9564, effective May 5, 1987; amended at 12 Ill. Reg. 8003, effective April 25, 1988; amended at 12 Ill. Reg. 12055, effective July 11, 1988; amended at 13 Ill. Reg. 12853, effective July 21, 1989; amended at 14 Ill. Reg. 12430, effective July 20, 1990; amended at 14 Ill. Reg. 19869, effective December 3, 1990; amended at 15 Ill. Reg. 10038, effective June 24, 1991; emergency amendments at 15 Ill. Reg. 15790, effective October 22, 1991, for a maximum of 150 days; emergency expired March 21, 1992; amended at 16 Ill. Reg. 11131, effective June 30, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 650.20 Statewide Deer Permit Requirements

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- a) Illinois resident hunters must have a current, valid "Firearm Deer Permit" (\$15.00). A "Non-Resident Firearm Deer Permit" may be obtained by non-residents of Illinois provided that they shall be charged the same fee as an Illinois resident would be charged for a deer hunting permit by the State in which the applicant resides except in no case shall the fee be less than \$50.00, and if the State in which the applicant resides does not provide for deer hunting by Illinois residents, then the fee shall be \$100.00. Deer permit fees for non-resident firearm deer hunters shall be \$100.00 for each either-sex firearm permit and \$25.00 for each antlerless-only permit. A permit is issued for one county or special hunt area and is valid only in the county or special hunt area stated on the permit. Only applicants who receive an either-sex permit in a county or special hunt area are eligible for an antlerless-only permit for that county or special hunt area. For permit applications and other information write to:

Department of Conservation
(Firearm or Landowner/Tenant or Non-Resident)
Deer Permit Office
524 South Second Street, Room 210
P.O. Box 19277
Springfield, Illinois 62794-9227

- b) Applications from residents will be accepted through April 30, of the current year. Applications received after April 30 will not be included in the lottery. Permits will be allocated in a computerized random drawing in which only one choice of hunt area or county will be considered. Permits will be issued as either sex, antlerless only, or antlered only. A maximum of one either-sex and one antlerless-only permit shall be issued per person.
- c) Applicants must check the second-season box if they agree to accept a second-season permit upon being rejected for a full-season permit. If the applicant checks the second-season box and is rejected in the lottery the applicant will receive preference in next year's lottery.
- d) Applicants must check the antlerless-only box and enclose an additional \$15.00 (\$25.00 for non-residents) if they want to apply for an additional antlerless-only permit. Antlerless-only permits will be issued until the antlerless-only quota is filled for a given county or

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special hunt area.

- e) Permits for counties and special hunt areas with unfilled quotas after the lottery will be allocated in a Random Daily Drawing procedure. Applications for Random Daily Drawing will be accepted beginning August 12 and ending August 1413 of the current year. Applicants may also apply for remaining antlerless-only permits by checking the antlerless-only box and enclosing an additional \$15.00. Applications received prior to August 12 will be processed in the August 12 daily drawing. A list of unfilled counties and special hunt areas will be announced prior to the August application dates. Applicants must apply on a current year Firearm Deer Permit application form. All applications for the Random Daily Drawing will be processed individually. This application period is open only to those applicants who were not previously issued firearm permits for the current hunting season. A maximum of one either-sex and one antlerless-only permit shall be issued per person.
- f) Those applicants who have already received a firearm permit and did not check the antlerless-only box may apply for an antlerless-only permit for the county and season specified on their either-sex permit beginning August 1530. Applicants shall complete an application form, provide a photocopy of their either-sex permit, and enclose a check for \$15.00 (\$25.00 for non-residents).
- g) In-person and mail-in applications will receive equal treatment in the drawings. For the Random Daily Drawing, applications received one day will not be processed until all applications received for that day are mixed. All applications received on a specific day will be processed before processing applications received for a subsequent day.
- h) Applicants must complete all portions of the current year permit application form. Incomplete or incorrect applications will be returned along with the applicant's permit fee for correction or completion if received in this office prior to April 30, of the current year. No more than 6 single applications per envelope will be accepted. Each applicant must submit a separate personal check or money order. ~~Pepe County shall be divided into Northern Pepe and Southern Pepe by Route 146, beginning at Goleonda and extending westward to the Johnson-Pepe county line. Separate permits will be issued for each~~

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of these areas. Separate envelopes must be used to send permit applications to the Deer Permit Office for firearm, archery, and free or paid landowner/tenant permits.

i) Applications for non-resident firearm permits will be accepted beginning August 15 and will be included with the residents in the Random Daily Drawing. Applications received prior to August 15 will be processed in the August 15 daily drawing.

j) There will be a new application period which starts August 30 and ends November 8, during which anyone (regardless of any other permit they may have) can apply for firearm deer permits (\$15.00 fee) left over from the county and special hunt area quotas. During both the application period, the permits shall be issued in a random daily drawing. Applicants can apply for one or more permits during this application period. Full-season antlerless-only permits shall only be issued to successful applicants that have full-season either-sex permits in the county applied for. Second-season antlerless-only permits shall only be issued to successful applicants that have second-season either-sex permits in the county applied for. Applicants submitting applications after October 25 cannot be guaranteed a permit by the start of the first deer hunting season. Applicants must print "August 30-Multiple Permits" on the outside of the envelope and mark the "August 30-Multiple Permits" box on the firearm deer permit application.

1) The first application period starts August 15 and ends August 31. Only one additional either-sex permit shall be issued per successful applicant during the application period. Applicants who have not previously been issued an either-sex permit may apply for and receive a maximum of two either-sex permits during this application period. A maximum of one bonus antlerless-only permit may be issued per either-sex permit issued. One full-season antlerless-only permit can be issued to each applicant that has already received a full-season either-sex permit. Second-season antlerless-only permits shall only be issued to successful applicants that have second-season either-sex permits. Applicants must print "August 15-Second Permit" on the outside of the envelope and mark the "August 15-Second Permit" box on the firearm deer permit application.

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permit application when applying for this permit.

2) The second application period starts September 1 and ends October 26. Applicants can apply for one or more permits during this application period. Full-season antlerless-only permits shall only be issued to successful applicants that have full-season either-sex permits. Second-season antlerless-only permits shall only be issued to successful applicants that have second-season either-sex permits. Applicants submitting applications after October 26 cannot be guaranteed a permit by the start of the first deer hunting season. Applicants must print "September 1-Multiple Permits" on the outside of the envelope and mark the "September 1-Multiple Permits" box on the firearm deer permit application.

k) Landowners or tenants having been issued a free landowner/tenant firearm permit shall be issued an additional free antlerless-only landowner/tenant firearm permit. This additional permit does not affect a landowner or tenant's eligibility to apply for additional permits as delineated in this Section.

l) Hunter preference in obtaining a permit will be given to unsuccessful lottery applicants from 1991-1992 who were unsuccessful due to the counties of their choice being full. The following criteria must be met to obtain a preference in the 1992-1993 permit lottery:

- 1) The applicant must apply using the official agency preprinted Data-Mailer application.
- 2) The applicant must be a resident of the state, be eligible to receive a Firearm Deer Permit, and not have deer hunting privileges revoked pursuant to Section 650.50.
- 3) The applicant must apply for the same county or special hunt area choice which he/she listed on the previous year's application.
- 4) Where applicants apply as a group, preference for the entire group will apply as it does above for the individual. All county or special hunt area choices for the group must be identical.

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- m) Applications may be accepted at the counter window of the permit office; however, permits will be mailed.
- n) Permits are not transferrable. Refunds will not be granted, unless the Department of Conservation (Department) has erroneously issued the permit after the quota has been depleted or where the applicant was unsuccessful in obtaining a permit.
- o) A three dollar (\$3.00) service fee will be charged for replacement permits issued by the Department, except when permits are lost in the mail, then there will be no charge. Monies derived from this source will be deposited in the Wildlife and Fish Fund.
- p) Persons with lottery preference (i.e., who did not receive a Firearm Deer Permit during the previous year's lottery) will have first chance at receiving available Either-Sex permits.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 650.21 Deer Permit Requirements - Landowner/Tenant Permits
- Paid and Free

- a) Landowners, including out-of-state Illinois landowners, and tenants, but not out-of-state tenants, owning or renting 40 acres or more of commercial agricultural lands may apply for a county-wide paid permit to hunt in the county where the land is located. Members of the immediate family of the landowner or tenant are also eligible to apply for a county-wide paid Firearm Deer permit providing they reside on the same property as the landowner or tenant. Incomplete applications will be returned. Out-of-state landowners must obtain a non-resident hunting license, in addition to the deer permit. The fee for an out-of-state landowner deer permit is the same as an Illinois resident would be charged for an out-of-state landowner deer permit by the State in which the applicant resides, and if the State in which the applicant resides does not provide for deer hunting by Illinois out-of-state landowners, then the fee shall be \$100.00. These applications will not be subject to the public drawing or the Random Daily Drawing.
- b) Landowners, including out-of-state Illinois landowners, who own 40 acres or more of land or resident tenants

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renting or leasing 40 acres or more of farm land, and members of their immediate family whose domicile is on the same land as the landowner or tenant, may apply for a free permit for their property only in counties open for firearm deer hunting. These applications will not be subject to the permit lottery described above or the Random Daily Drawing. The deer hunting permit issued without fee shall be valid on all farmlands which the person to whom it is issued owns, leases or rents in counties open for firearm deer hunting. (Sec. 2.26 of the Wildlife Code, Ill. Rev. Stat. 1991, ch. 61, par. 2.26) (520 ILCS 5/2.26).

- c) The immediate family of a landowner or tenant is limited to the spouse, children or parents permanently residing on the same property as the landowner or tenant.
- d) A tenant for the purpose of Part 650 is one who rents 40 acres or more land for commercial agricultural purposes under an agreement with a landowner. Commercial agriculture shall be defined as utilization of land for the raising of hay, grain crops or livestock for profit.
- e) Date of acceptance of landowner/tenant free permit applications will be publicly announced. Applications for county-wide paid permits must be submitted by February 28.
- f) Landowners, or tenants are not required to participate in the public drawing for permits.
- g) Proof of ownership for all landowner or tenant applications must be provided by one of the following methods:
- 1) Submittal of a copy of property deed;
 - 2) Submittal of a copy of contract for deed;
 - 3) Submittal of a copy of a tax statement for the property (upon which the landowner's name appears as landowner, or person signing application appears as landowner);
 - 4) Submittal of a copy of either an Agricultural Stabilization and Conservation Service 476 or Commodity Credit Corporation 477 Form; or

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- 5) Submittal of a copy of a trust agreement which must indicate that the trust owns at least 40 acres and the applicant is a beneficiary of the trust.
- h) Tenant permit applicants are required to submit, in addition to the landowner certification and proof of ownership, a copy of one of the following:
 - 1) A copy of a lease or a rental agreement, file stamped as recorded by the County Clerk, covering the current year; or
 - 2) A copy of either an Agricultural Stabilization and Conservation Services 476 Form or Commodity Credit Corporation 477 Form.

i) A hunting rights lease, or other non-agricultural lease, is not valid as a basis for obtaining a landowner or tenant permit.

j) County-wide permit holders are authorized to firearm deer hunt only in the county identified on the deer permit and only on property where permission to hunt has been obtained from the property owner.

k) If the property is owned or rented by more than one person: Only one landowner (and his immediate family) or one tenant (and his immediate family) shall be issued a permit on a first-come, first-serve basis for every 40 acres of owned or rented land. For example, if 3 persons own 90 acres, only 2 of the landowners and their immediate family may receive deer permits.

1) Shareholders of corporations owning 40 or more acres of land in a county may apply for a free permit to hunt the corporation lands only. Only one permit per 40 acres, for a maximum number of 15 permits per county shall be issued based on ownership of lands by corporations. Lands leased to corporations shall not be considered as a basis for a free permit for the shareholders of the lessee. Lands held in trust by corporations shall not be considered as a basis for a free permit by the shareholders of the trustee. If application is made for a free permit based upon lands owned by the corporation, a duly authorized officer of the corporation must sign a notarized statement authorizing the applicant to hunt on the corporate lands for which a permit is being requested. This statement must identify the applicant as

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a shareholder, identify authorization to hunt and identify that no more than 15 authorizations will be requested per county for the corporation lands. This document must be attached to the application upon submittal to the Permit Office.

m) Landowners or tenants may apply as of August 1530 for a bonus antlerless-only permit (\$15.00 fee) and/or a second either-sex permit (\$15.00 fee) from any permits not issued as of August 1530 in the random daily drawing.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 650.22 Deer Permit Requirements - Special Hunts

a) Special hunts are regulated by the agency which manages the property. The Permit Office only issues deer hunting permits for Crab Orchard, Lake Shelbyville Project Lands - (Moultrie County), Lake Shelbyville Project Lands - (Shelby County), Fox Ridge State Park - (Coles County), Hidden Springs State Forest - (Shelby County), Sand Ridge State Forest - (Mason County), Des Plaines Conservation Area - (Will County - January 8, 9, and 10, 1993 - first season only), Cilco Duck Creek Handicapped - (Fulton County, first season only), Cilco Duck Creek - (Fulton County, first season only), Joliet Army Ammunition Plant (Will County) Joliet Army Training Area (Will County), Savanna Army Depot (JoDavies County) and Site M (Cass County). The Department of Conservation allocates Firearm permits for the areas listed below through a computerized drawing. Hunters wishing to hunt special conservation areas other than those listed in this subsection must first acquire a deer permit for the county in which the conservation area is located and then apply for the specific site drawing. (See Section 650.60 for a list of Conservation areas and permit and specific site application procedures.)

1) Crab Orchard - Permits for Crab Orchard are allocated separately for each of the first and second seasons. Each season will be considered as a choice. Applicant must indicate in the County Choice or Hunt Area field if they are applying for the first or second season on Crab Orchard (for example: Applicants should show "Crab Orchard 1st Season" or "Crab Orchard 2nd Season") or the application will be returned.

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- 2) The preference system does not apply to special hunt areas.

- b) Each applicant must enclose a separate \$15.00-fee (check or money order) payable to the Department of Conservation, or the application will be RETURNED. Applicants should not send cash with their applications. The Department will not be responsible for cash sent through the mail.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 650.30 Statewide Firearms Requirements

- a) The only legal hunting devices to take, or attempt to take, deer are:

- 1) Shotgun, loaded with slugs only, of not larger than 10 nor smaller than 20 gauge, not capable of firing more than 3 consecutive slugs; or
- 2) A single or double barreled muzzle-loading firearm of at least .45 caliber shooting a single projectile through a barrel of at least sixteen inches in length.

- b) ~~All other firearms are illegal.~~

- e)b) The standards and specifications for use of such muzzle-loading firearms are as follows:

- 1) The minimum size of the muzzle-loading firearm projectile shall be .440 caliber. A wad or sleeve is not considered a projectile or a part of the projectile.
- 2) Black powder or Pyrodex only may be used.
- 3) Percussion caps or flint type ignition only may be used.
- 4) Removal of percussion cap or removal of prime powder from frizzen pan with frizzen open and hammer all the way down shall constitute an unloaded muzzle-loading firearm.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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Section 650.40 Statewide Deer Hunting Rules

- a) The bag limit is one deer per legally authorized either-sex, antlered-only or antlerless-only permit. An either-sex permit holder is allowed to take a deer with or without antlers. An antlered-only permit holder is allowed to take only a deer having at least one antler of a length of 3 or more inches. An antlerless only permit holder is allowed to take only a deer without antlers or a deer having antlers less than 3 inches long.

- b) ~~Totally white-white-tailed deer are protected by Illinois law and are illegal to kill. (See, 2-26 of the Wildlife Code, Ill. Rev. Stat. 1991, ch. 61, par. 2-24)~~

- eb) The Firearm Deer Hunting Permit shall include the hunter's signature, date of birth, Firearm Owners Identification number (unless exempt), hunting license number (unless exempt) and physical description recorded on the permit and carried on the person while hunting.

- ed) The leg tag shall be attached and properly sealed immediately upon kill and before the deer is moved, transported or field dressed. No person shall leave any deer that has been killed without properly attaching the leg tag to the deer. The head/antler or hide tag shall be attached to the head/antler and hide when detached from the carcass. The head/antler tag and hide tag must remain attached to the appropriate parts until the deer is delivered to a licensed fur buyer, tanner or taxidermist for processing. The leg tag must remain attached to the leg of the deer until it is processed, then must remain with the processed deer until it is at the legal residence of the person who legally took or possessed the deer. Deer shall be checked in by the hunter in person by 8:00 p.m., the same day it is killed; either at the county check station or the nearest check station to the kill site. Failure to follow this Section constitutes illegal possession of deer. Site specific reporting requirements must be followed in addition to this Section.

- ed) Hunters shall not have in their possession, while in the field during firearm deer season, any deer permit issued to another person (permits are non-transferable).

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- f) Permits will not be re-issued in cases involving deer taken which are found to be diseased or spoiled due to previous injury. Disposal of unfit deer taken shall be the responsibility of the hunter.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 650.50 Rejection of Application/Revocation of Permits

- a) In the event that an applicant is in violation of one of the following paragraphs, the application shall be held in suspension, and the application fees shall be deposited, pending a determination by the permit office of whether or not the violation was knowing. If the permit office determines the violation was knowing, the application shall be rejected and the fee shall be retained by Conservation. The applicant may request a hearing on this decision pursuant to 17 Ill. Adm. Code 2530. Should the permit office determine that the violation was without the knowledge of the applicant, improper applications will be rejected and the fee retained by Conservation and proper applications shall be processed.

- 1) Using hunting rights lease or mineral rights lease or other lease for land which does not evidence a genuine farm tenancy to obtain a firearm deer permit;
 - 2) Submitting more applications in the same name or by the same person for Firearm Deer Permits than the number of legally authorized permits.
 - 3) Providing false and/or deceptive information on the deer permit application form.
 - 4) Submitting an application when the applicant has a license or permit currently revoked pursuant to Section 3.36 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, par. 3.36) [520 ILCS 5/3.36].
 - 5) Applying for ~~two~~ ~~either-sex~~ ~~are~~ ~~every~~ firearm deer permits if the applicant has already been issued a muzzleloading rifle or ~~firearm~~ deer permit prior to August 14.
- b) Any violation of the Wildlife Code (Ill. Rev. Stat. 1991,

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ch. 61, pars. 1.1 et seq.) [520 ILCS 5/1.1 et seq.] or administrative rules of the Department (17 Ill. Adm. Code, Chapter I), in addition to other penalties, may result in revocation of deer hunting permits as per 17 Ill. Adm. Code 2530.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 650.60 Regulations at Various Department-Owned or -Managed Sites

- a) All the regulations in 17 Ill. Adm. Code 510 - General Hunting and Trapping apply in this Section, unless this Section is more restrictive.
- b) The subsections listed below are referred to by number in subsections 650.60(c) through (p). Some of the sites listed in subsections 650.60(c) through (p) have numbers in parenthesis which explain the definitions in this Section which apply to that site.

- 1) Tree stands that are used for hunting deer must be legibly marked with the owner's name, address and telephone number when left unattended. These tree stands must comply with restrictions listed in 17 Ill. Adm. Code 510.10(c)(3) and must be portable. Tree stands may be left unattended only during the firearm deer season or as specified in 17 Ill. Adm. Code 670.60.

- 2) Only one tree stand is allowed per hunter.

- c) Statewide regulations shall apply at the following sites:

AMAX Leased Lands

- Campbell Pond Wildlife Management Area ((1) (2))
- Carlyle Lake Wildlife Management Area except Subimpoundment Area
- Cache River State Natural Area ((1) (2))
- Chauncey Marsh - (Permit required, may be obtained at Red Hills State Park headquarters; no hunting in dedicated Nature Preserve; permits must be returned by February 15 ((1))

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Crawford County Conservation Area ((1))

Dog Island Wildlife Management Area ((1)) (2))

Hamilton County Conservation Area ((1))

Horseshoe Lake Conservation Area - Alexander County
- all portions of the Public Hunting Area except
for the Public Goose Hunting Area ((1)) (2))

Kaskaskia River Fish and Wildlife Area, except Doza
Creek Waterfowl Management Area where firearm deer
hunting is prohibited during duck season

Kidd Lake State Natural Area ((1)) (2))

Lake-Kinkaid Lake Fish and Wildlife Area ((1)) (2))

Mississippi River Pools 16, 17, 18, 21, 22, 24

Mississippi River Pools 25, 26 ((1)) (2))

Newton Lake State Fish and Wildlife Area (Sex-
specific site permits allocated by on-site drawing;
procedures and dates to be announced by news
release. Permits to be carried at all times by
successful applicants while in field for scouting
and/or hunting; scouting/hunting only in assigned
management unit. The site will be closed to all
access, except firearm deer hunters, during the
firearm deer season).

Oakford Conservation Area

Panther Creek Conservation Area ((1))

Rend Lake Project Lands and Waters

~~Reekhouse Creek (Monroe County) ((1)) (2))~~

Saline County Conservation Area ((1))

Sangamon County Conservation Area

Sangamon County Conservation Area ((1))

Shawnee National Forest, LaRue Scatters ~~(closed at
noon)~~

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Shawnee National Forest, Oakwood Bottoms ~~(Greentree
Reservoir, West of the Big Muddy levee, closed at
noon)~~

Sunspot Mine (Fulton and Schuyler Counties)

Ten Mile Creek Fish and Wildlife Management Area
(permit required; areas designated as Refuge are
closed to all access during Canada Goose Season
only; windshield cards must be displayed on
dashboard of vehicle; permits must be returned by
to District Wildlife Manager, PO Box 313, Olney IL
62450 February 15 ((1))

Union County Conservation Area - firing line
management unit ((1)) (2))

Wildcat Hollow State Park

d) Statewide regulations shall apply at the following sites
(all hunters must check out and report harvest):

Fort de Chartres State Park (hunting in designated
areas only; muzzle-loading firearms only) ((1))
(2))

Giant City State Park ((1)) (2))

I-24 Wildlife Management Area

~~Mormon Conservation Area (no hunting in the
waterfowl area) ((1)) (2))~~

Pere Marquette State Park ((1))

Pyramid State Park ((1)) (2))

Trail of Tears State Forest ((1)) (2))

Turkey Bluffs Fish and Wildlife Area ((1)) (2))

Weinberg-King State Park

e) Statewide regulations shall apply and in addition all
hunters must have a free permit allocated by mail-in
drawing held at Regional Office on October 19. Only one
permit per person will be issued. Applications will be
accepted only from persons who already have a firearm

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deer permit for the county in which the site is located. Any duplicate applications will be denied and the hunter will forfeit his rights to a site permit. Permit holders must check in at the site check station by 5:30 a.m. Permits are void for that day after 5:30 a.m. Vacancies each day will be filled by a drawing held at 5:30 a.m. Each permit will be valid for only one of the two firearm deer seasons. The following regulations apply at Heidecke State Fish and Wildlife Area. Vacancies created by hunters checking out may be filled from a standby list. No more than two (2) applications may be submitted as a group for the October 19 drawing; and hunters under 16 years of age must hunt with an adult who is eligible to hunt at Heidecke State Fish and Wildlife Area. Hunters will be issued a site specific, season specific, antlerless-only permit which must be used prior to taking a deer with their county-wide permit.

Heidecke State Fish and Wildlife Area

Tapley Woods

Witkowski State Wildlife Area

- f) Statewide regulations shall apply except hunting allowed by permit only during the first 3-day portion of the firearm deer season. Hunter permits are allocated by a mail-in drawing held at the Regional Office or site office on October 19. Applications will be accepted only from persons who already have a firearm deer permit for the county in which the site is located. Only one permit per person will be issued. Any duplicate applications will be denied and the hunter will forfeit his rights to a permit. Permit holders must check in at the site check station by 5:30 a.m. each day. Unvalidated permits are void after 5:30 a.m. Vacancies each day will be filled by a drawing held at 5:30 a.m. at the sites. Further check-in and check-out and reporting of deer harvested is required of all hunters.

Castle-Reek-State-Park

Green River (Lee County Conservation Area)

Iroquois County Conservation Area

Mississippi Palisades State Park

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Morrison Rockwood State Park

g)

Statewide regulations shall apply except hunting allowed by permit only. Each permit will be valid for both of the firearm deer seasons and permits will be allocated by a mail-in drawing to be held at the Regional office on October 19. Only one permit per person will be issued. Any duplicate applications will be denied and the hunter will forfeit his rights to a permit. Permit holders must check in at the site by 5:30 a.m. each day. Unvalidated permits are void after 5:30 a.m. Vacancies each day will be filled by a drawing until 1:00 p.m.. Further check-in and check-out and reporting of deer harvested is required of all hunters.

Big River State Forest

Castle Rock State Park

Lowden-Miller State Forest (special regulations for the site will be publicly announced)

Mackinaw River State Fish and Wildlife Area (one deer only per hunter per year)

Marseilles Conservation Area

Marshall State Fish and Wildlife Area

h)

Statewide regulations shall apply except hunting allowed by permit only. One-day hunter permits are allocated by public drawing every night for the next day's hunt. Drawings for Kickapoo State Park and Middle Fork State Fish and Wildlife Area will be held at the Kickapoo State Recreation Area Office. Check-in and check-out and reporting deer harvested required of all hunters.

Kickapoo State Park ((1 (2)))

Middle Fork Fish and Wildlife Area ((1) (2))

i)

Statewide regulations will apply, except hunting is allowed by permit only allocated via statewide lottery process. All permit holders must sign in at the site check station between 4:30 a.m. and 6:00 a.m. and exchange their hunting license for a back patch which must be worn at all times. It is unlawful to park anywhere on the site except at designated parking areas.

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Hunters must check out and report their harvest immediately after hunting. ((1))

Site "M"- Land leased from Commonwealth Edison, Cass County

- j) Statewide regulations shall apply. Hunters must check in at the site check station beginning at 4:30 a.m. and obtain a back patch before hunting. All hunters must check out immediately after hunting ((1)):

Sand Ridge State Forest (All hunters must have a current Sand Ridge State Forest Firearm Deer Permit, obtainable via the lottery process through the Deer Permit Office)

- k) Statewide regulations shall apply. A maximum of 20 hunters will be allowed on the site each day. Hunter registration begins at the check station at 4:00 a.m. each day of the season. If more than 20 hunters register by 4:30 a.m. a public drawing will be conducted. Hunters must check out and report their harvest immediately after the day's hunt.

Ferne Clyffe State Park

- l) Statewide regulations will apply, except as noted. Hunting is allowed by permit only. First and second season permits will be allocated by mail-in drawings at the site office. The registration procedures, hunter quota and dates for these drawings will be announced by public news release. All individuals must possess a current Christian County or Sangamon County Firearm Deer Permit. Permits available after the drawings will be allocated on a first-come basis from the site office. All permit holders must sign in by 6:30 a.m. at the site office for the North and East Mainland Area, by 6:30 a.m. for the Peninsula on the Friday of the first season and the Thursday of the second season and by 9:30 a.m. all other days. Daily vacancies will be filled on a first-come basis at the site office beginning immediately after the sign-in deadline. Check-in and check-out and reporting of deer harvested is required of all hunters. To minimize safety concerns regarding the simultaneous hunting of deer and waterfowl, the Peninsula will be closed to deer hunting until 11:00 a.m. on the Saturday and Sunday of the first season and the Friday, Saturday and Sunday of the second deer season. Firearm

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deer hunters on the North and East Mainland Areas may hunt during statewide hours during the entire firearm deer season. Only antlerless deer and deer with at least one antler having 5 or more points on one side may be harvested.

Sangchris Lake Fish and Wildlife Area

- m) Statewide regulations shall apply and in addition all hunters must have a permit allocated by a mail-in drawing held at the District Office. Permits will be for Area A or Area B/C. Permits for Area A will be valid for the first 3-day deer season only; Area B/C permits will be valid for both seasons. Only one permit per person will be issued. Any duplicate applications will be denied and the hunter will forfeit his rights to a permit.

Pike County Conservation Area

- n) Statewide regulations shall apply; the hunting date is November 17-1992 October 31, 1993. Hunters must have a special permit allocated by a mail-in drawing. Only paid firearm deer permit holders who possess a valid Union-Alexander County firearm deer permit are eligible. Permits are valid for one day only. Any duplicate applications will be denied and that person shall forfeit his or her right to a permit. Specific information regarding application requirements and drawing dates will be included with the 1992-1993 Deer Firearm Permits for Union-Alexander County.

Union County Conservation Area (Union County permit holders only) Horseshoe Lake Conservation Area Alexander County (Alexander County permit holders only)

- o) Statewide regulations shall apply; the hunting date is the last Saturday in January 1993-1994. Hunters must have a special permit allocated by a mail-in drawing. Only paid permit holders who were unsuccessful during the previous year's shotgun season are eligible. Permits are valid for one day only. Any duplicate applications will be denied and that person shall forfeit his or her right to a permit. Specific information regarding application requirements and drawing dates will be included with the 1992-1993 Deer Firearm permits for Knox County.

Snakeden Hollow (Knox County permit holders only)

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- p) Statewide regulations shall apply except that hunting is by special permit only obtained through statewide lottery for the Des Plaines Conservation Area; hunting dates are January 8, 9, and 10, November 19, 20 and 21, 1993 only; the area is closed to firearm deer hunting during the regular second statewide season; hunters are required to hunt in assigned, designated areas only; areas will be assigned by drawing at mandatory pre-hunt meeting each morning from 4:30 a.m. to 5:00 a.m.; no standby hunters permitted; hunters must obtain vehicle permit from site office before hunting and display the permit in the windshield of their vehicle while hunting; the site office is the only check station for this hunt; all deer taken must be taken to the check station as per regular firearm deer hunting regulations; hunters under 16 years of age must be accompanied by an adult while hunting, the accompanying adult is exempt from provisions of 17 Ill. Adm. Code 510.10(c)(5).

Des Plaines Conservation Area

- q) Statewide regulations shall apply except that hunting is allowed by daily site permits only. Daily permits will be allocated by a mail-in drawing held at the Regional Office on October 19. Only persons with a valid Douglas County Firearm Permit for the portion of the season for which they wish to hunt are eligible to apply. Only one permit per hunter will be allocated. Duplicate applications will be denied and will cause forfeiture of applicant's opportunity for a site permit. Hunter's Douglas County Permit must be used to tag harvested deer. Hunters must wear a site-specific backpatch while hunting and deposit their backpatch and report harvest at the site office immediately after the daily hunt, but in any case, no later than 7:00 p.m.

Walnut Point Fish and Wildlife Area

- r) Statewide regulations shall apply. Hunting is open for the second firearm deer season only. Hunters must possess a valid permit for either Adams or Brown county. Hunters will be selected by a mail-in drawing held at the park office. All hunters are required to sign in and sign out at the office before and after the day's hunt. Hunting will be allowed in designated areas only.

Siloam Springs State Park

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- s) Statewide regulations shall apply except that hunting is allowed by daily site permits only. Daily permits will be allocated by a mail-in drawing held at the Regional office on October 19. Only persons who hold a valid Lake Shelbyville Project Lands-Shelby County permit are eligible to apply. Only one permit per person shall be allocated. Duplicate applications will be denied and the hunter will forfeit rights to obtain a site permit. Hunters must wear a site-specific back patch while hunting and deposit the back patch and harvest report at the site office at the end of the daily hunt.

Wolf Creek State Park

- t) Statewide regulations shall apply. Hunters must have a special site-specific permit. The specific hunter qualifications, season dates and restrictions and allocation procedures for the special site specific permits will be publicly announced.

Rock Cut State Park

- u) Daily sex-specific site permits allocated by drawing procedures and dates to be announced by news release; permits to be carried at all times by successful applicants while in field for hunting; hunters are required to take an antlerless deer before being eligible to take an antlered one; antlerless deer may be tagged with site-specific antlerless only permit; antlered deer must be tagged with hunter's paid either sex statewide permit; hunters must check in and check out at check station; access to designated hunting areas will be allowed by vehicle by parking in designated areas or by boat; hunters using boats are required to launch at the ramp access only; the site will be closed to all access except firearm deer hunters during the firearm deer season. Statewide regulations shall apply, except hunting is allowed by permit only. First and second season sex-specific site permits will be allocated by mail-in drawing held at the site office. The registration procedures, hunter quota and date for the drawing will be announced by public news release. All individuals must possess a valid Jasper County Firearm Deer Permit. Scouting will be allowed daily 10:00 a.m. until 2:00 p.m. in all huntable units beginning the day after Labor Day. No scouting will be allowed during the Firearm Deer Season. All hunters must check in and obtain a backpatch by 5:30 a.m.; and check out prior to

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leaving the area, returning backpatch and reporting their kill by 5:30 p.m. All deer taken will be tagged with the hunter's Jasper County Firearm Deer Permit. No ATV's will be allowed. Hunter access will be by vehicle parking in designated areas or by boat. All boats are to be launched from the ramp access only. Violation of site regulations will result in revocation of site hunting privileges for the balance of the firearm deer season. The site will be closed to all access, except firearm deer hunters, during the firearm deer season.

Newton Lake Fish and Wildlife Area

v) Statewide regulations shall apply. Hunter registration begins at the check station at 5:00 a.m. each day of the season. If more than the maximum quota of hunters register by 5:30 a.m. a public drawing will be conducted. Hunters must check out and report their harvest immediately after the day's hunt. Hunters must pick up an information packet before going afield. Hunting will only be allowed north of the blacktop road.

Mermet Conservation Area ((1)(2))

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 650.65 Youth Hunt

Statewide regulations shall apply; the youth hunting date will be the first three days of the statewide firearm deer season. Youth hunters must have a special permit allocated by a mail-in drawing. Only paid firearm permit holders who possess a valid Massac County Firearm Deer Permit are eligible. Permits will be valid for the three-day season. Any duplicate applications will be denied and that person shall forfeit their right to a permit. Shooting is allowed from elevated tree stands only. Applicants must be between the ages of 10-15.

Fort Massac State Park ((1)(2)) - Youth Deer Hunt

(Source: Added at 17 Ill. Reg. _____, effective _____)

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1) HEADING OF THE PART: White-Tailed Deer Hunting Season by Use of Muzzleloading Rifles

2) CODE CITATION: 17 Ill. Adm. Code 660

3) SECTION NUMBERS:

660.20
660.22
660.30
660.40
660.45
660.50
660.60

PROPOSED ACTION:

Amendments
New Section
Amendments
Amendments
Amendments
Amendments

4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.24, 2.25, 2.26, 2.33 and 3.36 of the Wildlife Code (Ill. Rev. Stat. 1991, ch 61, pars. 1.3, 1.4, 1.13, 2.24, 2.25, 2.26, 2.33 and 3.36) [520 ILCS 5/1.3, 5/1.4, 5/1.13, 5/2.24, 5/2.25, 5/2.26, 5/2.33 and 5/3.36].

5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED: The amendments to this Part reduce the number of daily drawings from three to two, allow bow hunters to obtain two either-sex archery permits prior to August 15 even though they have applied and/or been issued a muzzleloading deer permit and add/delete sites open to muzzleloading deer hunting.

6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART? No

10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

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Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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NOTICE OF PROPOSED AMENDMENTS

TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 660

WHITE-TAILED DEER HUNTING SEASON BY USE
OF MUZZLELOADING RIFLES

- Section
660.10
660.20
660.21
660.22
660.25
660.30
660.40
660.45
660.50
660.60

Statewide Season and Permit Quotas
Statewide Deer Permit Requirements
Deer Permit Requirements - Free Landowner/Tenant Permits
Deer Permit Requirements - Special Hunts
Deer Permit Requirements - Group Hunt
Statewide Muzzleloading Rifle Requirements
Statewide Deer Hunting Rules
Reporting Harvest
Rejection of Application/Revocation of Permits
Regulations at Various Department-Owned or -Managed Sites

AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.24, 2.25, 2.26, 2.33 and 3.36 of the Wildlife Code (Ill. Rev. Stat. 1991, ch 61, pars. 1.3, 1.4, 1.13, 2.24, 2.25, 2.26, 2.33 and 3.36) [520 ILCS 5/1.3, 1.4, 1.13, 2.24, 2.25, 2.26, 2.33 and 3.36].

SOURCE: Adopted at 15 Ill. Reg. 4777, effective March 8, 1991; amended at 15 Ill. Reg. 11627, effective August 2, 1991; amended at 16 Ill. Reg. 11150, effective June 30, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 660.20 Statewide Deer Permit Requirements

- a) Illinois resident hunters must have a current, valid "Muzzleloading Rifle Deer Permit" (\$15.00). A "Non-Resident Muzzleloading Rifle-Deer Permit" may be obtained by non-residents of Illinois provided that they shall be charged the same fee as an Illinois resident would be charged for a deer hunting permit by the State in which the applicant resides except in no case shall the fee be less than \$50.00, and if the State in which the applicant resides does not provide for deer hunting by Illinois residents, then the fee shall be \$100.00. Muzzleloading rifle deer permit fees for non-residents shall be \$100.00 for each either-sex muzzleloading permit and \$25.00 for each antlerless-only permit. A permit is issued for one county and is valid only in the county stated on the permit. Only applicants who receive an either-sex permit in a county or special hunt area are eligible for an

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antlerless-only permit for that county or special hunt area. For permit applications and other information write to:

Department of Conservation
(Muzzleloading Rifle)
Deer Permit Office
524 South Second Street, Room 210
P.O. Box 19227
Springfield, IL 62794-9227

- b) Applications from residents shall be accepted through April 30, of the current year. Applications received after April 30 shall not be included in the lottery. Permits shall be allocated in a computerized random drawing in which only one choice of hunt area or county shall be considered. Permits shall be issued as either-sex, antlerless-only or antlered only. A maximum of one either-sex and one antlerless-only permit shall be issued per person.
- c) Applicants must check the antlerless-only box and enclose an additional \$15.00 if they want to receive the opportunity to apply for an additional antlerless-only permit. Antlerless-only permits will be issued until the antlerless-only quota is filled for a given county or special hunt area.
- d) Permits for counties with unfilled quotas after the lottery shall be allocated in a random drawing procedure. Applications for the random daily drawing shall be accepted beginning August 12 and ending August 14 of the current year. Applicants may also apply for remaining antlerless-only permits by checking the antlerless-only box and enclosing an additional \$15.00. Applications received prior to August 12 will be processed in the August 12 daily drawing. A list of unfilled counties shall be announced prior to the August application dates. Applicants must apply on a current year "Muzzleloading Rifle" Deer Permit application form. All applications for the random daily drawing shall be processed individually. This application period is open only to those applicants who were not previously issued firearm permits for the current hunting season, except as provided in Section 660.20(a). A maximum of one either-sex and one antlerless-only permit shall be issued per person.

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- e) Those applicants who have already received a muzzleloading rifle permit and did not check the antlerless-only box may apply for an antlerless-only permit for the county specified on their either-sex permit beginning August 15. Applicants shall complete an application form, provide a photocopy of their either-sex permit, and enclose a check for \$15.00 (\$25.00 for non-residents).
- f) In-person and mail-in applications shall receive equal treatment in the drawings. For the random daily drawing, applications received one day shall not be processed until all applications received for that day are mixed. All applications received on a specific day shall be processed before processing applications received for a subsequent day.
- g) Applicants must complete all portions of the current year permit application form. Incomplete or incorrect applications shall be returned along with the applicant's permit fee for correction or completion if received in this office prior to April 30, of the current year. No more than 6 single applications per envelope shall be accepted. Each applicant must submit a separate personal check or money order. Separate envelopes must be used to send permit applications to the Deer Permit Office for regular firearm, muzzleloading rifle, archery, and free or paid landowner/tenant permits.
- h) Applications for non-resident muzzleloading rifle firearm permits shall be accepted beginning August 12 and will be included with the residents in the Random Daily Drawing.
- i) There will be two application periods during which anyone (regardless of any other permit they may have) can apply for muzzleloading deer permits (\$15.00 fee) left over from the county and special hunt area quotas. During both the application periods, the permits shall be issued in a random daily drawing. Applicants can apply for one or more permits during this application period. Full season antlerless-only permits shall only be issued to successful applicants that have full season either-sex permits for that county. Applicants submitting applications after October 25 cannot be guaranteed a permit by the start of the second firearm deer hunting season. Applicants must print "August 30-Multiple Muzzleloader Permits" on the outside of the envelope and

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mark the "August 30-Multiple Permits" box on the muzzleloading rifle deer permit application.

- 1) ~~The first application period starts August 15 and ends August 31. Only one additional either-sex permit shall be issued per successful applicant during the application period. Applicants who have not previously been issued an either-sex permit may apply for and receive a maximum of two either-sex permits during this application period. A maximum of one bonus antlerless-only permit may be issued per either-sex permit issued. One full season antlerless-only permit can be issued to each applicant that has already received a full season either-sex permit. Applicants must print "August 15-Second Muzzleloader Permit" on the outside of the envelope and mark the "August 15 Muzzleloader Second Permit" box on the muzzleloading rifle deer permit application when applying for this permit.~~
- 2) ~~The second application period starts September 1 and ends November 9. Applicants can apply for one or more permits during this application period. Full season antlerless-only permits shall only be issued to successful applicants that have full season either-sex permits. Applicants submitting applications after November 9 cannot be guaranteed a permit by the start of the second firearm deer hunting season. Applicants must print "September 1-Multiple Muzzleloader Permits" on the outside of the envelope and mark the "September 1 Multiple Permits" box on the muzzleloading rifle deer permit application.~~

- j) Hunter preference in obtaining a muzzleloading rifle permit shall be given to unsuccessful lottery applicants from the previous year who were unsuccessful due to the county of their choice being full. The following criteria must be met to obtain a preference in the muzzleloading rifle permit lottery.

- 1) The applicant must apply using the official agency preprinted data-mailer application.

- 2) The applicant must be a resident of the state, be eligible to receive a Muzzleloading Rifle Deer Permit, and not had deer hunting privileges revoked pursuant to Section 660.50.

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- 3) The applicant must apply for the same county choice which he/she listed on the previous year's application.
- 4) Where applicants apply as a group, preference for the entire group shall apply as it does above for the individual. All county choices for the group must be identical.
- k) Applications shall be accepted at the counter window of the permit office; however, permits shall be mailed.
- l) Permits are not transferrable. Refunds shall not be granted unless the Department of Conservation (Department) has erroneously issued the permit after the quota has been depleted or where the applicant was unsuccessful in obtaining a permit.

- m) A three dollar (\$3.00) service fee shall be charged for replacement permits issued by the Department, except when permits are lost in the mail, then there shall be no charge. Monies derived from this source shall be deposited in the Wildlife and Fish Fund.

- n) Each applicant must enclose a separate \$15.00 (check or money order) payable to the Department of Conservation, or the application shall be returned. Applicants should not send cash with their applications. The Department shall not be responsible for cash sent through the mail.

- o) Persons with lottery preferences (i.e., who did not receive a separate Muzzleloading Rifle Deer Permit during the previous year's lottery) shall have first chance at receiving available permits the following year.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 660.22 Deer Permit Requirements - Special Hunts

- a) Special hunts are regulated by the agency which manages the property. The Permit Office only issues muzzleloading rifle deer hunting permits for Delair Division of the Mark Twain National Wildlife Refuge.

- b) Each applicant must enclose a separate fee (check or money order) payable to the Department of Conservation, or the application will be RETURNED.

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Applicants should not send cash with their application. The Department will not be responsible for cash sent through the mail.

(Source: Added at 17 Ill. Reg. _____, effective _____)

Section 660.30 Statewide Muzzleloading Rifle Requirements

a) The only legal hunting device is a muzzleloading firearm of at least .45 caliber shooting a single projectile through a barrel of at least 16 inches in length. (Except that the otherwise lawful possession of rifles to take furbearing mammals and game mammals other than deer shall not be prohibited during the muzzleloading rifle deer season as set in Section 660.10).

~~b) All other firearms are illegal.~~

eb) The standards and specifications for use of such muzzleloading firearm are as follows:

- 1) The minimum size of the muzzleloading firearm projectile shall be .440 caliber (wad or sleeve is not considered part of projectile).
- 2) Only black powder or Pyrodex may be used.
- 3) Percussion caps or flint type ignition only may be used.
- 4) Removal of percussion cap or removal of prime powder from frizzen pan with frizzen open and hammer all the way down shall constitute an unloaded muzzleloading firearm.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 660.40 Statewide Deer Hunting Rules

a) The bag limit is one deer per legally authorized either-sex, antlered-only or antlerless-only permit. An either-sex permit holder is allowed to take a deer with or without antlers. An antlered-only permit holder is allowed to take only a deer having at least one antler of a length of 3 or more inches. An antlerless only permit holder is allowed to take only a deer without antlers or

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a deer having antlers less than 3 inches long.

~~b) Totally white, white-tailed deer are protected pursuant to Section 2-24 of the Wildlife Code (Ill. Rev. Stat., 1991, ch. 61, par. 2-24) and are illegal to kill.~~

eb) The Muzzleloading Rifle Deer Hunting Permit shall include the hunter's signature, date of birth, Firearm Owner's Identification number, (unless exempt) hunting license number, (unless exempt) and physical description recorded on the permit and be carried on the person while hunting.

ec) The leg tag shall be attached and properly sealed immediately upon kill and before the deer is moved, transported or field dressed. No person shall leave any deer that has been killed without properly attaching the leg tag to the deer. The head/antler or hide tag shall be attached to the head/antler and hide when detached from the carcass. The head/antler tag and hide tag must remain attached to the appropriate parts until the deer is delivered to a licensed fur buyer, tanner or taxidermist for processing. The leg tag must remain attached to the leg of the deer until it is processed, then must remain with the processed deer until it is at the legal residence of the person who legally took or possessed the deer.

ed) Hunters shall not have in their possession, any deer permit issued to another person, while in the field during muzzleloading rifle deer season (permits are non-transferable).

fe) Permits shall not be re-issued in cases involving deer taken which are found to be diseased or spoiled due to previous injury. Disposal of unfit deer taken shall be the responsibility of the hunter.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 660.45 Reporting Harvest

a) Within 48 hours of taking a deer by muzzleloading rifle, the hunter must check the deer in at a county archery check station. However, hunters with a muzzleloading rifle deer permit hunting during the second firearm deer season must abide by regulations contained in 17 Ill. Adm. Code 650.40(dc).

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Crawford County Conservation Area ((1))

Dog Island Wildlife Management Area ((1) (2))

Hamilton County Conservation Area ((1))

Horseshoe Lake Conservation Area - Alexander County
- all portions of the Public Hunting Area except
the public goose hunting areas ((1) (2))

Kaskaskia River Fish and Wildlife Area, except Doza
Creek Waterfowl Management Area where muzzleloading
firearm deer hunting is prohibited during duck
season

Kidd Lake State Natural Area ((1) (2))

Mississippi River Pools 16, 17, 18, 21, 22, 24

Mississippi River Pools 25, 26 ((1) (2))

Oakford Conservation Area

Panther Creek Conservation Area ((1))

Rend Lake Project Lands and Waters

Reekhouse Creek (Monroe County) ((1) (2))

Saline County Conservation Area ((1))

Sanganois Conservation Area ((1))

Shawnee National ForestSunspot Mine (Fulton and Schuyler Counties)

Ten Mile Creek Fish and Wildlife Management Area
(permit required; areas designated as Refuge are
closed to all access during Canada Goose Season
only; windfield cards must be displayed on
dashboard of vehicle; permits must be returned to
District Wildlife Manager, P.O. Box 313, Olney, IL
62450 by February 15 ((1))

Union County Conservation Area - firing line
management unit ((1) (2))

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Wildcat Hollow State Park

d) Statewide regulations shall apply at the following sites
(all hunters must check out and report harvest):

Fort de Chartres Historic Site (hunting in
designated areas only ((1) (2))

Giant City State Park ((1) (2))

Kinkaid Lake Fish and Wildlife Area ((1) (2))

Mermet Conservation Area (no hunting in the
waterfowl area) - hunting north of blacktop road
only ((1) (2))

Pere Marquette State Park ((1))

Pyramid State Park ((1) (2))

Trail of Tears State Forest ((1) (2))

Turkey Bluffs Fish and Wildlife Area ((1) (2))

Weinberg-King State Park

e) Statewide regulations shall apply except hunting allowed
by permit only. One-day hunter permits are allocated by
public drawing every day for the next day's hunt.
Drawings for Kickapoo State Park and Middle Fork State
Fish and Wildlife Area will be held at the Kickapoo State
Recreation Area Office. Check-in and check-out and
reporting deer harvested required of all hunters.

Hidden Springs State Forest ((1) (2))

Jubilee College State Park

Kickapoo State Park ((1) (2))

Middle Fork Fish and Wildlife Area ((1) (2))

Moraine View State Park

f) Statewide regulations shall apply, except hunters must
check in and check out at the site check station ((1))

Ferne Clyffe State Park ((1) (2))

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I-24 Wildlife Management Area ((1))(2))

Sand Ridge State Forest ((1))

Tapley Woods State Natural Area (muzzleloader only permits are not valid during the second firearm deer season)

- g) Hunting is permitted the last four days of the statewide firearm deer season only and by special permit only. Permits will be allocated by a firearm deer permit mail-drawing at the site office. The registration procedure, hunter quota and date for the drawing will be announced by public news release. All individuals must possess a current Christian County or Sangamon County Muzzleloading Rifle Deer Permit to be eligible for the drawing. Special Sangchris Lake firearm deer permits available after the drawing will be allocated on a first-come or first-come basis from the site office. All permit holders must sign in by 6:30 a.m. at the site office for the North Mainland Area and East Mainland Areas. Permit holders for the Peninsula Area must sign in by 6:30 a.m. on the Thursday of the second statewide firearm deer season, and by 9:30 a.m. all other days. Daily vacancies will be filled on a first-come basis at the site office beginning immediately after the sign-in deadline. Check in and check out and reporting of deer harvested is required of all hunters. To minimize safety concerns regarding the simultaneous hunting of deer and waterfowl, the Peninsula will be closed to deer hunting until 11 a.m. on the Friday, Saturday and Sunday of the December firearm deer season. Shotgun and muzzleloader hunters on the North and East Mainland areas may hunt during statewide hunting hours. Only antlerless deer and deer with at least one antler with 5 or more points on one side may be harvested.

Sangchris Lake Fish and Wildlife Area

- h) Statewide regulations shall apply and in addition all hunters must have a permit allocated by a mail-in drawing held at the Regional Office. Permits shall be valid for Area B/C only. Only one permit shall be valid for the season. Only one permit per person shall be issued. Any duplicate applications shall be denied and the hunter shall forfeit his rights to a permit.

Pike County Conservation Area

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NOTICE OF PROPOSED AMENDMENTS

- i) Hunting is allowed during the muzzleloading rifle deer season only; by special antlerless permit only. Application procedure and special regulations to be announced by news release.

Delair Division of the Mark Twain National Wildlife Refuge

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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NOTICE OF PROPOSED AMENDMENTS

1) HEADING OF THE PART: Woodcock, Snipe, Rail and Teal Hunting

2) CODE CITATION: 17 Ill. Adm. Code 740

3) SECTION NUMBERS:
740.10
740.20
PROPOSED ACTION:
Amendments
Amendments

4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 2.1, 2.2, 2.18, 2.26, 2.33 and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 2.1, 2.2, 2.18, 2.26, 2.33 and 3.5) [520 ILCS 5/1.2, 5/1.3, 5/1.4, 5/2.1, 5/2.2, 5/2.18, 5/2.26, 5/2.33 and 5/3.5] and Migratory Bird Hunting (50 CFR 20, August 25, 1987).

5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED: Amendments to this Part include defining non-toxic shot, adding/deleting sites open to hunting and modifying season dates and regulations.

6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART? No

10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule does not affect small businesses

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE:

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NOTICE OF PROPOSED AMENDMENTS

TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 740
WOODCOCK, SNIPE, RAIL, AND TEAL HUNTING

Section
740.10
740.20

Statewide Regulations
Regulations at Various Department-Owned or -Managed Sites

AUTHORITY: Implementing and authorized by Sections 1.2, 1.3, 1.4, 2.1, 2.2, 2.18, 2.26, 2.33 and 3.5 of the Wildlife Code (Ill. Rev. Stat. 1991, ch. 61, pars. 1.2, 1.3, 1.4, 2.1, 2.2, 2.18, 2.26, 2.33 and 3.5) [520 ILCS 5/1.2, 5/1.3, 5/1.4, 5/2.1, 5/2.2, 5/2.18, 5/2.26, 2.33 and 3.5] and Migratory Bird Hunting (50 CFR 20, August 25, 1987).

SOURCE: Adopted at 5 Ill. Reg. 8896, effective August 25, 1981; codified at 5 Ill. Reg. 10645; amended 6 Ill. Reg. 357, effective December 23, 1981; amended at 6 Ill. Reg. 9648, effective July 21, 1982, amended at 7 Ill. Reg. 8815, effective July 15, 1983; amended at 8 Ill. Reg. 16796, effective August 30, 1984, amended at 9 Ill. Reg. 11620, effective July 16, 1985; peremptory amendments at 9 Ill. Reg. 14383, effective September 5, 1985; amended at 10 Ill. Reg. 15607, effective September 16, 1986; amended at 11 Ill. Reg. 9575, effective May 5, 1987; emergency amendments at 11 Ill. Reg. 15253, effective August 28, 1987, for a maximum of 150 days; emergency expired January 25, 1988; amended at 12 Ill. Reg. 12261, effective July 15, 1988; amended at 13 Ill. Reg. 12869, effective July 21, 1989; amended at 14 Ill. Reg. 11207, effective June 29, 1990; amended at 15 Ill. Reg. 10057, effective June 24, 1991; amended at 16 Ill. Reg. 11162, effective June 30, 1992; amended at 17 Ill. Reg. _____, effective _____.

Section 740.10 Statewide Regulations

a) Woodcock, snipe and rail regulations are in accordance with Federal Regulations (50 CFR 20, effective August 26, 1990) (no incorporation in this Part includes later amendments or editions) unless the regulations in this Part are more restrictive.

b) All persons in the field during the firearm deer season hunting common snipe, rail and woodcock in these counties for which an open season is established for the taking of deer by firearm, shall wear the same blaze orange clothing required for deer hunting pursuant to Section 2.26 of the Wildlife Code (Ill. Rev. Stat., 1991

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~~ch. 61, par. 2.26~~

- eb)** The regulations in Section 2.33 of the Wildlife Code on illegal devices shall apply to this Part, unless federal regulations are more restrictive.

ec) Woodcock

- 1) Hunting dates: October 1 - December 4
- 2) Hunting hours: Sunrise to Sunset
- 3) Daily limit: 5
- 4) Possession limit: 10 after the 1st hunting day

ed) Snipe (Common)

- 1) Hunting dates: September 14 - December 16¹⁹
- 2) Hunting hours: Sunrise to Sunset
- 3) Daily limit: 8
- 4) Possession limit: 16 after the 1st hunting day

ee) Rail (Sora and Virginia)

- 1) Hunting dates: September 14 - November 9¹²
- 2) Hunting hours: Sunrise to Sunset
- 3) Daily limit: 25
- 4) Possession limit: 25

ef) Teal

- 1) Teal regulations are in accordance with Federal Regulations, (50 CFR 20.103, effective August 26, 1990; 50 CFR 20.104, effective August 26, 1990; 50 CFR 20.105, effective August 26, 1990; 50 CFR 20.106, effective August 26, 1990; and 50 CFR 20.109, effective August 26, 1990), unless the regulations in this Part are more restrictive.
- 2) It shall be unlawful to take, possess, transport, or use migratory waterfowl except during such

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NOTICE OF PROPOSED AMENDMENTS

period of time and in such manner and numbers as may be provided in the Federal "Migratory Bird Treaty Act" (16 U.S.C. 703-711), the "Migratory Bird Hunting Stamp Act" (16 U.S.C. 718 et seq.), and annual "Rules and Regulations for Migratory Bird Hunting" (50 CFR 20, effective August 29, 1990) (collectively referred to in this Part as federal regulations), or contrary to any state regulations made in the Wildlife Code.

- 3) ~~Shooting~~Hunting hours are 7:00 a.m. 4:00 p.m. sunrise - sunset.

- 4) Baiting with corn, grain or other feed is prohibited.

- eg)** It shall be unlawful while attempting to take teal, rail or snipe to have in possession any shotgun shells not approved as non-toxic by federal regulations. The only shot approved as non-toxic by the U.S. Fish and Wildlife Service (50 CFR 20) is steel shot, and copper-plated or nickel-plated steel shot for which the plating represents less than 1% of the shot's weight. Lead shot plated with copper, nickel, or other material does not qualify. Sites covered by these regulations are as stated in the federal regulations or they are listed under Section 740.20 of this Part.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 740.20 Regulations at Various Department-Owned or -Managed Sites

- a) All the rules in 17 Ill. Adm. Code 510 apply in this Section, unless this Section is more restrictive.
- b) Woodcock, snipe and rail hunting; statewide regulations as provided for in this Part shall apply at the following areas (exceptions are in parentheses):

AWAX-Leased Lands

Anderson Lake Conservation Area (closed 7 days before waterfowl season)

Big Bend Conservation Area

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Big River State Forest

Cache River State Natural Area

Campbell Pond Wildlife Management Area

Carlyle Lake Lands and Waters - Corps of Engineers managed lands

Carlyle Lake Wildlife Management Area (closes 3 days before waterfowl season in subimpoundment area)

Chauncey Marsh (permit required, may be obtained at Red Hills State Park; must be returned by February 15; no hunting in dedicated Nature Preserve)

~~Clinton Lake State Recreation Area~~

Crawford County Conservation Area

Dog Island Wildlife Management Area

Eldon Hazlet State Park (North of Allen Branch and west of Peppenhurst Branch only)

Ferne Clyffe State Park

Ft. de Chartres Historic Site (hunting with muzzle loading shotgun only)

Ft. Massac State Park

Giant City State Park

Hamilton County Conservation Area (statewide hours until ~~upland game~~ rabbit season, then 8:00 a.m. to statewide closing)

Horsehoe Lake Public Hunting Area (Alexander County) (closed on controlled goose hunting area)

I-24 Wildlife Management Area

~~Iroquois County Conservation Area (closes at 4:00 p.m. the day before permit pheasant season; 8:00 a.m. to 4:00 p.m.; hunters must check out and report harvest)~~

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Jubilee College State Park (closed 1st weekend -- Saturday and Sunday of October; legal opening to 4:00 p.m.)

Kankakee River State Park (October 1 - day before pheasant season; 9:00 a.m. - 3:00 p.m.; hunters must check in; check out required within 15 minutes of completing hunt; DOC issued back patch must be worn while hunting; during pheasant season, hunters must abide by those portions of 17 Ill. Adm. Code 530.105 and 530.110, ~~upland~~ Rabbit Hunting, which pertain to Kankakee River State Park; no snipe or rail hunting)

Kaskaskia River Fish and Wildlife Area (closes 3 days before waterfowl season in Doza Creek Waterfowl Management Area)

Kickapoo State Park (8:00 a.m. to 4:00 p.m.; closed during firearm deer season; no snipe or rail hunting)

Kidd Lake State Natural Area (no permanent blinds allowed)

Kinkaid Lake Fish and Wildlife Area

Lake Shelbyville-Kaskaskia and West Okaw Wildlife Management Area

Marseilles (closed Fridays, Saturdays and Sundays through October 30; no rail or snipe hunting)

Middle Fork Fish and Wildlife Area (8:00 a.m. to 4:00 p.m.; closed during firearm deer season; no snipe or rail hunting)

Mississippi River Pools 21, 22, 24, 25 and 26

Mississippi River Pools 16, 17, and 18

Moraine View State Park (closes at 4:00 p.m. on day before ~~permit~~ site's pheasant season; 8:00 a.m. to 4:00 p.m.)

Newton Lake State Fish & Wildlife Area (hunting allowed in portions open to rabbit hunting only; during period coinciding with rabbit season; 8:00

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a.m. to 4:00 p.m.; no hunting during firearm deer season)

Oakford Conservation AreaPanther Creek Conservation Area

Pike County Conservation Area (all hunting closes November 30 in Area A; all hunting closes December 15 in Area B)

Pyramid State Park

Randolph County Conservation Area (no rail hunting)

Ramsey Lake State Park (statewide hours until rabbit season begins; then 8:00 a.m. - 4:00 p.m.)

Red Hills (statewide hours until ~~upland-gamewabbit~~ season, then 8:00 a.m. - statewide closing)

Rend Lake Project Lands and Waters

Rice Lake (during teal season only, hours are sunrise until noon; no woodcock hunting)

Reekhouse Creek (Menree County)

Saline County Conservation Area (statewide hours until ~~upland-gamewabbit~~ season, then 8:00 a.m. to 4:00 p.m.)

Sam Dale Lake Conservation Area (statewide hours until ~~upland-gamewabbit~~ season, then 8:00 a.m. to 4:00 p.m.)

Sam Parr State Park (statewide hours until ~~upland gamewabbit~~ season, then 8:00 a.m. to 4:00 p.m.)

Sand Ridge State Forest (During the controlled quail and pheasant hunting season, woodcock and snipe hunters must abide by those portions of 17 Ill. Adm. Code 530.105 and 530.110 - ~~uplandRabbit~~ Hunting - which pertain to Sand Ridge State Forest; no rail ~~ex-teal~~-hunting)

Sangamon County Conservation Area

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Sanganois Conservation Area

Shawnee National Forest, LaRue Seatters (closes at noon)

Shawnee National Forest, Oakwood Bottoms (Greentree Reservoir west of Big Muddy Levee, closes at noon)

Site M (open weekends only as publicly announced by the Department in the news media; no rail hunting)

Stephen Forbes State Park (statewide hours until rabbit season, then 8:00 a.m. to 4:00 p.m.)

Sunspot Mine (Fulton and Schuyler Counties)

Tapley Woods State Natural Area (closed during firearm deer season)

Ten Mile Creek State Fish and Wildlife Area (permit required; areas designated as Refuge are closed to all access during Canada Goose Season only; parking card must be displayed on dashboard of vehicle; permit must be returned by February 15 to District Wildlife Manager, P.O. Box 313, Olney, IL 62450).

Trail of Tears State ForestTurkey Bluffs Fish and Wildlife Area

Union County Conservation Area (Firing Line Management Unit only)

Washington County Conservation Area (no rail hunting)

Weinberg-King State ParkWildcat Hollow State ForestWitkowsky State Wildlife Area

c) Woodcock, snipe and rail hunting permitted, exceptions as noted in parentheses. Hunters must obtain a permit from site office and permit must be in possession while hunting. Failure to report harvest by February 15 will result in loss of hunting privileges at that site for the following year.

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Clinton Lake State Recreation Area

Eagle Creek State Park (snipe and rail hunting after September 15 only)

Fox Ridge State Park

Hidden Springs State Forest (no hunting during firearm deer season)

Lake Shelbyville Eagle Creek Wildlife Management Area

- d) Teal hunting; statewide regulations as provided for in this part shall apply on the following sites (exceptions are in parentheses):

Anderson Lake Conservation Area

Cache River State Natural Area

Campbell Pond Wildlife Management Area

Chain O'Lakes State Park (Hunting is allowed only from numbered blind sites. The blinds need not be completed)

Carlyle Lake Wildlife Management Area

Chauncey Marsh (permit required, may be obtained at Red Hills State Park headquarters; must return permit by February 15; no hunting in dedicated Nature Preserve)

Des Plaines Conservation Area (Des Plaines River Waterfowl Area only; blind claiming privileges apply as specified in 17 Ill. Adm. Code 590.30(f) and 590.50(b); hunting from numbered blind sites only; blinds do not have to be completed)

Dog Island Wildlife Management Area

Eldon Hazlet State Park (North of Allen Branch only in lands and waters of Peppenhorst Branch and Allen Branch north of the buoys only, and not within clearly posted refuge areas or developed recreation areas, or within 500 feet of construction sites, developed recreation areas, fisheries rearing

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ponds, roadways, and residences. No permanent blinds; minimum 12 decoys; minimum 200 yards between hunting parties)

Ft. de Chartres Historic Site (see site specific regulations of Section 590.60(b))

Horseshoe Lake State Park (Madison County)

Kaskaskia River Fish and Wildlife Area

Kidd Lake State Natural Area (no permanent blinds)

Lake Shelbyville Fish and Wildlife Area

Lake Siniissippi Conservation Area

Marshall State Fish and Wildlife Area (Spring Branch Unit & Sparland Unit)

Mississippi River Pools 16, 17, 18, 21, 22, 24, 25, 26

Oakford Conservation Area (portable blinds only; 200 yard minimum distance must be maintained between hunting parties)

Rend Lake Project Lands and Waters (no permanent blinds allowed)

Rice Lake Conservation Area (sunrise until 12:00 Noon)

Sanganois Conservation Area

Savanna Ordnance Depot (hunting is allowed only from blind sites)

Shawnee National Forest (no permanent blinds allowed)

Snake Den Hollow

Sunspot Mine (Fulton and Schuyler Counties)

Ten Mile Creek State Fish and Wildlife Area (permit required; areas designated as Refuge are closed to all access during Canada Goose Season only; parking

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card must be displayed on dashboard of vehicle; permit must be returned by February 15 to District Wildlife Manager, P.O. Box 313, Olney, IL 62450)

Union County Conservation Area (public goose hunting area only)

Woodford County Conservation Area

(Source: Amended at 17 Ill. Reg. _____, effective _____)

DEPARTMENT OF INSURANCE

NOTICE OF PROPOSED AMENDMENTS

1) Heading of the Part: Medical Liability Insurance Loss Reports

2) Code Citation: 50 Ill. Adm. Code 939

3) Section Numbers: Proposed Action:

939.10	Amended
939.20	Amended
939.30	Amended
939.Illustration A	Amended
939.Illustration B	Amended
939.Illustration C	Amended
939.Illustration D	Amended
939.Illustration E	Amended
939.Illustration F	Amended

4) Statutory Authority: Implementing and authorized by Sections 155.25 and 401 of the Illinois Insurance Code (215 ILCS 5/155.25 and 5/401).

5) A Complete Description of the Subjects and Issues Involved: P.A. 87-1090 effective September 15, 1992, amended Section 155.25 of the Insurance Code which makes the reporting requirement now subject to the discretion of the Director.

6) Will this proposed rule replace emergency rule currently in effect? No.

7) Does this rulemaking contain an automatic repeal date? No.

8) Does this proposed amendment contain incorporations by reference? No.

9) Are there any other proposed amendments pending on this Part? No.

10) Statement of Statewide Policy Objectives: These amendments will not require a local government to establish, expand or modify its activities in such a way as to necessitate additional expenditures from local revenues.

11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Persons who wish to comment on this proposed rulemaking may submit written comments no later than 45 days after the publication of this Notice to:

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Denise Fuchs
Department of Insurance
320 West Washington
Springfield, Illinois 62767

- 12) Initial Regulatory Flexibility Analysis: The Department has determined that these amendments will not affect small businesses.

The full text of the Proposed Amendment begins on the next page:

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TITLE 50: INSURANCE
CHAPTER I: DEPARTMENT OF INSURANCE
SUBCHAPTER 1: PROVISIONS APPLICABLE TO ALL COMPANIES

PART 939
MEDICAL LIABILITY INSURANCE
LOSS REPORTS

Section	Purpose
939.10	Required Information
939.20	Penalties
939.30	
939. Illustration A Policies Covering Physicians and Surgeons-Claim Payments	
939. Illustration B Policies Covering Physicians and Surgeons-Reserves	
939. Illustration C Policies Covering Physicians and Surgeons-Number of Claims	
939. Illustration D Other Policies - Claim Payments	
939. Illustration E Other Policies - Reserves	
939. Illustration F Other Policies - Number of Claims	

AUTHORITY: Implementing and authorized by Sections 155.25 and 401 of the Illinois Insurance Code (Ill. Rev. Stat. 198591, ch. 73, pars. 767.25 and 1013) [215 ILCS 5/155.25 and 5/401].

SOURCE: Adopted at 10 Ill. Reg. 8751, effective May 9, 1986; amended at 17 Ill. Reg. _____, effective _____.

Section 939.10 Purpose

The purpose of this Part is to implement Section 155.25 of the Illinois Insurance Code (Ill. Rev. Stat. 198591, ch. 73, par. 767.25) [215 ILCS 5/155.25 and 5/401] by listing that information which must upon request of the Director of Insurance shall be filed with the Director of Insurance regarding the direct claims experience of insurance companies licensed to write medical liability insurance in this State.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 939.20 Required Information

- a) Any insurance company licensed to sell the type of insurance listed in Class 2(c) of Section 4 of the Illinois Insurance Code (Ill. Rev. Stat. 198591, ch. 73, par. 616) [215 ILCS 5/4] and which is writing or has written medical liability insurance in this State, shall may be required by the Director to file a report with the Director of insurance, in the format, and containing the information, as specified in Illustrations A, B, C, D, E and F.
- b) The report shall be filed as specified in the Director's request on or before June 1 of each year. It should be directed to the Casualty Actuary, Illinois Department of Insurance, Springfield, Illinois 62767. The first report is due June 17, 1986.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 939.30 Penalties

Failure of a company to timely file the report which may be required by the Director under this part and Section 155.25 of the Illinois Insurance Code shall subject the company to the provisions of Section 403A of the Illinois Insurance Code (Ill. Rev. Stat. 198591, ch. 73, par. 1015A) [215 ILCS 5/403A].

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 939. Illustration A Policies Covering Physicians and Surgeons-Claims Payments

Illinois Medical Liability Insurance
Loss Report Format - Policies Covering
Physicians and Surgeons - Claim Payments

Year In Which Losses Were Incurred	As of		Difference
	a) 12/31/84,	b) 12/31/85,	
Prior to 1978			
1978			
TOTALS			
General Instructions			

NOTICE OF PROPOSED AMENDMENTS

Year In Which Losses Were Incurred	As of		Difference
	a) 12/31/84,	b) 12/31/85,	
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985	x		x
TOTALS			
General Instructions			

NOTICE OF PROPOSED AMENDMENTS

1) The above information is due on June 1, 1986 and on every June 1 every year thereafter as may be required by the Director. For subsequent due dates of June 1, 1987, June 1, 1988, etc.) all years shown in this Illustration should be advanced by one, two, etc.

2) If a loss payment is included in "loss payments for closed claims", it shall not be included in "loss payments for open and reopened claims", or vice versa.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 939. Illustration B Policies Covering Physicians and Surgeons - Reserves

Illinois Medical Liability Insurance
Loss Report Format - Policies Covering
Physicians and Surgeons - Reserves

<u>Year In Which Losses Were Incurred</u>	<u>As of</u>		<u>Losses Unpaid On Reported Claims</u>
	<u>a) 12/31/84,</u>	<u>b) 12/31/85,</u>	<u>Difference</u>
			<u>b) - a)</u>
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985	x		x
TOTALS			

NOTICE OF PROPOSED AMENDMENTS

<u>Year In Which Losses Were Incurred</u>	<u>As of</u>		<u>Losses Unpaid On Incurred But Not Reported Claims</u>
	<u>a) 12/31/84,</u>	<u>b) 12/31/85,</u>	<u>Difference</u>
			<u>b) - a)</u>
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985	x		x
TOTALS			

<u>Year In Which Losses</u>	<u>As of</u>		<u>Other Unpaid Losses</u>
	<u>a) 12/31/84,</u>	<u>b) 12/31/85,</u>	<u>Difference</u>
			<u>b) - a)</u>
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			

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1984		
1985	x	x
TOTALS		

General Instructions

The above information is due on June 1, 1986 and on June 1 every year thereafter as may be required by the Director. For subsequent due dates of June 1, 1987, June 1, 1988 etc., all years shown in this illustration should be advanced by one, two etc.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 939.Illustration C Policies Covering Physicians and Surgeons-Number of Claims

Illinois Medical Liability Insurance
Loss Report Format - Policies Covering
Physicians and Surgeons - Number of Claims

Year In Which Losses Were Incurred	As of		Difference b) - a)
	a) 12/31/84,	b) 12/31/85,	
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			

DEPARTMENT OF INSURANCE

NOTICE OF PROPOSED AMENDMENTS

1985	x					
TOTALS						
Year In Which Losses Were Incurred		As of			Number of Open And Reopened Claims	Difference
		a) 12/31/84,	b) 12/31/85,		b) - a)	
Prior to 1978						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985	x					x
TOTALS						

General Instructions

- 1) The above information is due on June 1, 1986 and on June 1 every year thereafter as may be required by the Director. For subsequent due dates of June 1, 1987, June 1, 1988, etc., all years in this illustration should be advanced by one, two, etc.
- 2) If a claim count is included in "number of closed claims", it shall not be included in "number of open and reopened claims", or vice versa.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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Section 939. Illustration D Other Policies - Claim Payments

Illinois Medical Liability Insurance

Loss Report Format - Other Policies - Claim Payments

Year In Which Losses Were Incurred	As of		Difference
	a) 12/31/84,	b) 12/31/85,	
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985	x		x
TOTALS			

Loss Payments For
Closed Claims

a) 12/31/84, b) 12/31/85,

Prior to 1978

1978

1979

1980

1981

1982

1983

1984

1985

TOTALS

Year In Which Losses
Were Incurred

As of

a) 12/31/84, b) 12/31/85,

Prior to 1978

1978

1979

Loss Payments For Open
And Reopened Claims

Difference

b) a)

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1980

1981

1982

1983

1984

1985

TOTALS

General Instructions

1) The above information is due on June 1, 1986 and on June 1 every year thereafter as may be required by the Director. For subsequent due dates of June 1, 1987, June 1, 1988, etc., all years shown in this illustration should be advanced by one, two, etc.

2) If a loss payment is included in "loss payments for closed claims", it shall not be included in "loss payments for open and reopened claims", or vice versa.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 939. Illustration E Other Policies - Reserves

Illinois Medical Liability Insurance
Loss Report Format - Other Policies - Reserves

Year In Which Losses Were Incurred	As of		Difference
	a) 12/31/84,	b) 12/31/85,	
Prior to 1978			
1978			
1979			

Losses Unpaid on
Reported Claims

As of

a) 12/31/84, b) 12/31/85, b) - a)

Prior to 1978

1978

1979

NOTICE OF PROPOSED AMENDMENTS

Year In Which Losses Were Incurred	As of	Losses Unpaid on Incurred But Not Reported Claims	Difference
a) 12/31/84,	b) 12/31/85,		b) - a)
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985			
TOTALS			
Year In Which Losses Were Incurred			
a) 12/31/84,	b) 12/31/85,		b) - a)
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985			
TOTALS			

General Instructions

The above information is due on June 1, 1986 and on June 1 every year thereafter as may be required by the Director. For

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subsequent due dates of June 1, 1987, June 1, 1988, etc., all years shown in this illustration should be advanced by one, two, etc.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 939. Illustration F Other Policies - Number of Claims

Illinois Medical Liability Insurance
Loss Report Format - Other Policies - Number of Claims

Year In Which Losses Were Incurred	As of	Number of Closed Claims	Difference
a) 12/31/84,	b) 12/31/85,		b) - a)
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985			
TOTALS			
Year In Which Losses Were Incurred			
a) 12/31/84,	b) 12/31/85,		b) - a)
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985			
TOTALS			
Year In Which Losses Were Incurred			
a) 12/31/84,	b) 12/31/85,		b) - a)
Prior to 1978			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985			
TOTALS			

As of

Number of Open And
Reopened Claims

Difference

b) - a)

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Prior to 1978		
1978		
1979		
1980		
1981		
1982		
1983		
1984		
1985	x	
TOTALS		

General Instructions

- 1) The above information is due on June 1, 1986 and on June 1 every year thereafter as may be required by the Director. For subsequent due dates of June 1, 1987, June 1, 1988, etc., all years shown in this Illustration should be advanced by one, two, etc.
- 2) If a claim or loss payment is included in "number of closed claims", it shall not be included in "number of open and reopened claims", or vice versa.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

- 1) Heading of Part: Definitions and General Provisions

- 2) Code Citation: 35 Ill. Adm. Code 211

- 3) Section Numbers:

211.122	211.102, 211.121	Proposed Action:
211.130,	211.150, 211.170	Amended
211.210, 211.230		Repealed
211.250,	211.290, 211.310	Added
211.330, 211.350, 211.370		Added
211.390, 211.410, 211.430		Added
211.450, 211.470, 211.490		Added
211.510, 211.530, 211.550		Added
211.570, 211.590, 211.610		Added
211.630, 211.650, 211.670		Added
211.690, 211.710, 211.730		Added
211.750, 211.770, 211.790		Added
211.810, 211.830, 211.850		Added
211.870, 211.890, 211.910		Added
211.930, 211.950, 211.970		Added
211.990, 211.1010, 211.1050		Added
211.1090, 211.1110, 211.1130		Added
211.1150, 211.1170, 211.1190		Added
211.1210, 211.1230, 211.1250		Added
211.1270, 211.1290, 211.1310		Added
211.1330, 211.1350, 211.1370		Added
211.1390, 211.1410, 211.1430		Added
211.1470, 211.1490, 211.1510		Added
211.1530, 211.1550, 211.1570		Added
211.1590, 211.1610, 211.1630		Added
211.1650, 211.1670, 211.1690		Added
211.1710, 211.1730, 211.1750		Added
211.1770, 211.1790, 211.1810		Added
211.1830, 211.1850, 211.1870		Added
211.1890, 211.1910, 211.1930		Added
211.1950, 211.1970, 211.1990		Added
211.2010, 211.2050, 211.2070		Added
211.2090, 211.2110, 211.2130		Added
211.2150, 211.2170, 211.2190		Added
211.2210, 211.2230, 211.2250		Added
211.2270, 211.2310, 211.2330		Added
211.2350, 211.2370, 211.2390		Added
211.2410, 211.2430, 211.2450		Added
211.2470, 211.2490, 211.2510		Added
211.2530, 211.2550, 211.2570		Added
211.2590, 211.2650, 211.2670		Added
211.2690, 211.2710, 211.2730		Added

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED ADVERTISEMENTS

211.2750, 211.2770, 211.2790 Added
 211.2810, 211.2830, 211.2850 Added
 211.2870, 211.2890, 211.2910 Added
 211.2930, 211.2950, 211.2970 Added
 211.2990, 211.3010, 211.3030 Added
 211.3050, 211.3070, 211.3090 Added
 211.3110, 211.3130, 211.3150 Added
 211.3170, 211.3190, 211.3210 Added
 211.3230, 211.3250, 211.3270 Added
 211.3290, 211.3310, 211.3330 Added
 211.3350, 211.3370, 211.3390 Added
 211.3410, 211.3430, 211.3450 Added
 211.3470, 211.3490, 211.3510 Added
 211.3530, 211.3550, 211.3570 Added
 211.3590, 211.3610, 211.3630 Added
 211.3650, 211.3670, 211.3690 Added
 211.3710, 211.3730, 211.3750 Added
 211.3770, 211.3790, 211.3810 Added
 211.3830, 211.3850, 211.3870 Added
 211.3890, 211.3910, 211.3930 Added
 211.3970, 211.3990, 211.4010 Added
 211.4030, 211.4050, 211.4070 Added
 211.4090, 211.4110, 211.4130 Added
 211.4150, 211.4170, 211.4190 Added
 211.4210, 211.4230, 211.4250 Added
 211.4270, Added
 211.4290, 211.4310, 211.4330 Added
 211.4350, 211.4370, 211.4390 Added
 211.4410, 211.4430, 211.4450 Added
 211.4470, 211.4490, 211.4510 Added
 211.4530, 211.4550, 211.4590 Added
 211.4610, 211.4630, 211.4650 Added
 211.4670, 211.4690, 211.4710 Added
 211.4730, 211.4750, 211.4770 Added
 211.4790, 211.4810, 211.4870 Added
 211.4890, 211.4910, 211.4930 Added
 211.4950, 211.4990, 211.5030 Added
 211.5050, 211.5070, 211.5090 Added
 211.5110, 211.5130, 211.5150 Added
 211.5185, 211.5170, 211.5190, 211.5210 Added
 211.5230, 211.5250, 211.5270 Added
 211.5310, 211.5330 Added
 211.5350, 211.5370, 211.5410 Added
 211.5430, 211.5450, 211.5470 Added
 211.5490, 211.5510, 211.5550 Added
 211.5570, 211.5590, 211.5610 Added
 211.5630, 211.5650, 211.5670 Added

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED ADVERTISEMENTS

211.5690, 211.5710, 211.5730 Added
 211.5750, 211.5770, 211.5790 Added
 211.5810, 211.5830, 211.5850 Added
 211.5870, 211.5890, 211.5910 Added
 211.5930, 211.5950, 211.5970 Added
 211.5990, 211.6010, 211.6030 Added
 211.6050, 211.6070, 211.6090 Added
 211.6130, 211.6150, 211.6190 Added
 211.6210, 211.6230, 211.6270 Added
 211.6290, 211.6310, 211.6330 Added
 211.6350, 211.6370, 211.6390 Added
 211.6410, 211.6430, 211.6450 Added
 211.6470, 211.6490, 211.6510 Added
 211.6530, 211.6550, 211.6570 Added
 211.6590, 211.6610, 211.6670 Added
 211.6690, 211.6730, 211.6750 Added
 211.6770, 211.6790, 211.6810 Added
 211.6850, 211.6870, 211.6890 Added
 211.6910, 211.6930, 211.6950 Added
 211.6970, 211.6990, 211.7010 Added
 211.7030, 211.7070, 211.7090 Added
 211.7110, 211.7130, 211.7150 Added
 211.7170, 211.7190, 211.7210 Added
 211.7230, 211.7250, 211.7270 Added
 211.7290, 211.7310, 211.7330 Added
 211.7350 Added

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, par. 1027 and Section 28.5 of the Environmental Protection Act (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/27 and 28.5].

5) A Complete Description of the Subjects and Issues Involved; A more complete description of this rulemaking can be found in the proposal. The proposal is available for inspection and copying through the Clerk of the Board. The proposed rule is part of a plan to meet the State's obligation to provide for a federally approvable State Implementation Plan that includes corrections to existing reasonably available control technology rules controlling emissions of volatile organic material in the nonattainment areas as required by the Clean Air Act Amendments of 1990. A more complete description of this rulemaking can be found in the proposal. Copies of the proposal in R93-9 are available for review or copying through the Clerk of the Board.

6) Will this proposed rule replace an emergency rule currently in effect? No

NOTICE OF PROPOSED AMENDMENTS

- 7) Does this rulemaking contain an automatic repeal date? No
- 8) Does this proposed rule (amendment, repealer) contain incorporations by reference? No
- 9) Are there any other proposed amendments pending on this Part? No
- 10) Statement of Statewide Policy Objectives: These proposed rules and amendments do not create or enlarge a state mandate as defined in Section 3(b) of the State Mandates Act (Ill. Rev. Stat. 1991, ch. 85, par. 2203(b)) [30 ILCS 805/3(b)].

- 11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Send written comments concerning R93-9 within 45 days of publication in the Illinois Register to:

Clerk of the Pollution Control Board
100 West Randolph Street
Suite 11-500
Chicago, Illinois 60601

and

Midhi D. Kapoor
Assistant Counsel
Illinois Environmental Protection Agency
Bureau of Air
P.O. Box 19276
Springfield, Illinois 62794-9276

All comments should be clearly marked with the docket number R93-9. Additional hearings are required to be held in this matter. The first hearing is scheduled for May 7, 1993. For further information on hearings, contact Diane O'Neill, hearing officer, at (312) 814-6062.

- 12) Initial Regulatory Flexibility Analysis: These proposed rules are mandated by the Clean Air Act and, therefore, no small business will be affected to degree greater than allowed by federal law. Consequently, a Regulatory Flexibility Analysis is not applicable.

NOTICE OF PROPOSED AMENDMENTS

- A) Date rule was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs:
March 26, 1993
- B) Types of small business affected: None
- C) Reporting, bookkeeping or other procedures required for compliance: Not applicable.
- D) Types of professional skills necessary for compliance: None

The full text of the Proposed Rule begins on the next page:

NOTICE OF PROPOSED AMENDMENTS

211.1730	Delivery Vessel
211.1750	Dip Coating
211.1770	Distillate Fuel Oil
211.1790	Drum
211.1810	Dry Cleaning Operation or Dry Cleaning Facility
211.1830	Dump-Pit Area
211.1850	Effluent Grate Area
211.1870	Effluent Water Separator
211.1890	Electrostatic Bell or Disc Spray
211.1910	Electrostatic Spray
211.1930	Emission Rate
211.1950	Emission Unit
211.1970	Enamel
211.1990	Enclose
211.2010	End Sealing Compound Coat
211.2030	Ethanol Blend Gasoline
211.2050	Excess Air
211.2070	Excessive Release
211.2090	Existing Grain-Drying Operation
211.2110	Existing Grain-Handling Operation
211.2130	Exterior Base Coat
211.2150	Exterior End Coat
211.2170	External Floating Roof
211.2190	Extreme Performance Coating
211.2210	Fabric Coating
211.2230	Fabric Coating Line
211.2250	Federally Enforceable Limitations and Conditions
211.2270	Final Repair Coat
211.2290	Firebox
211.2310	Fixed-Roof Tank
211.2330	Flexographic Printing
211.2350	Flexographic Printing Line
211.2370	Floating Roof
211.2390	Fountain Solution
211.2410	Freeboard Height
211.2430	Fuel Combustion Emission Unit or Fuel Combustion
211.2450	Emission Source
211.2470	Fugitive Particulate Matter
211.2490	Full Operating Flowrate
211.2510	Gas Service
211.2530	Gas/Gas Method
211.2550	Gasoline
211.2570	Gasoline Dispensing Operation or Gasoline Dispensing
211.2590	Facility
211.2610	Grain
211.2630	Grain-Drying Operation
211.2650	Grain-Handling and Conditioning Operation
211.2670	Grain-Handling Operation
211.2690	
211.2710	

NOTICE OF PROPOSED AMENDMENTS

211.2730	Green-Tire Spraying
211.2750	Green Tires
211.2770	Gross Heating Value
211.2790	Gross Vehicle Weight Rating
211.2810	Heated Airless Spray
211.2830	Heatset
211.2850	Heatset-Web-Offset Lithographic Printing Line
211.2870	Heavy Liquid
211.2890	Heavy Metals
211.2910	Heavy Off-Highway Vehicle Products
211.2930	Heavy Off-Highway Vehicle Products Coating
211.2950	Heavy Off-Highway Vehicle Products Coating Line
211.2970	High Temperature Aluminum Coating
211.2990	High Volume Low Pressure (HVLP) Spray
211.3010	Hood
211.3030	Hot Well
211.3050	Housekeeping Practices
211.3070	In-Process Tank
211.3090	In-Situ Sampling Systems
211.3110	Incinerator
211.3130	Indirect Heat Transfer
211.3150	Ink
211.3170	Interior Body Spray Coat
211.3190	Internal-Floating Roof
211.3210	Internal Transferring Area
211.3230	Lacquers
211.3250	Large Appliance
211.3270	Large Appliance Coating
211.3290	Large Appliance Coating Line
211.3310	Light Liquid
211.3330	Light-Duty Truck
211.3350	Light Oil
211.3370	Liquid/Gas Method
211.3390	Liquid-Mounted Seal
211.3410	Liquid Service
211.3430	Liquids Dripping
211.3450	Lithographic Printing Line
211.3470	Load-Out Area
211.3490	Low Solvent Coating
211.3510	Magnet Wire
211.3530	Magnet Wire Coating
211.3550	Magnet Wire Coating Line
211.3570	Major Dump Pit
211.3590	Major Metropolitan Area (MMA)
211.3610	Major Population Area (MPA)
211.3630	Manufacturing Process
211.3650	Marine Terminal
211.3670	Material Recovery Section

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

211.3690	Maximum Theoretical Emissions
211.3710	Metal Furniture
211.3730	Metal Furniture Coating
211.3750	Metal Furniture Coating Line
211.3770	Metallic Shoe-Type Seal
211.3790	Miscellaneous Fabricated Product Manufacturing Process
211.3810	Miscellaneous Formulation Manufacturing Process
211.3830	Miscellaneous Metal Parts and Products
211.3850	Miscellaneous Metal Parts and Products Coating
211.3870	Miscellaneous Metal Parts or Products Coating Line
211.3890	Miscellaneous Organic Chemical Manufacturing Process
211.3910	Mixing Operation
211.3930	Monitor
211.3970	Multiple Package Coating
211.3990	New Grain-Drying Operation
211.4010	New Grain-Handling Operation
211.4030	No Detectable Volatile Organic Material Emissions
211.4050	Non-contact Process Water Cooling Tower
211.4070	Offset
211.4090	One Hundred Percent Acid
211.4110	One-Turn Storage Space
211.4130	Opacity
211.4150	Opaque Stains
211.4170	Open Top Vapor Degreasing
211.4190	Open-Ended Valve
211.4210	Operator of a Gasoline Dispensing Operation or Operator of a Gasoline Dispensing Facility
211.4230	Organic Compound
211.4250	Organic Material and Organic Materials
211.4270	Organic Vapor
211.4290	Oven
211.4310	Overall Control
211.4330	Overvornish
211.4350	Owner of a Gasoline Dispensing Operation or Owner of a Gasoline Dispensing Facility
211.4370	Owner or Operator
211.4390	Packaging Rotogravure Printing
211.4410	Packaging Rotogravure Printing Line
211.4430	Pail
211.4450	Paint Manufacturing Source or Paint Manufacturing Plant
211.4470	Paper Coating
211.4490	Paper Coating Line
211.4510	Particulate Matter
211.4530	Parts Per Million (Volume) or ppm (Vol)
211.4550	Person
211.4590	Petroleum
211.4610	Petroleum Liquid
211.4630	Petroleum Refinery

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

211.4650	Pharmaceutical
211.4670	Pharmaceutical Coating Operation
211.4690	Photochemically Reactive Material
211.4710	Pigmented Coatings
211.4730	Plant
211.4750	Plasticizers
211.4770	PM-10
211.4790	Pneumatic Rubber Tire Manufacture
211.4810	Polybasic Organic Acid Partial Oxidation Manufacturing Process
211.4870	Polystyrene Plant
211.4890	Polystyrene Resin
211.4910	Portable Grain-Handling Equipment
211.4930	Portland Cement Manufacturing Process Emission Source
211.4950	Portland Cement Process or Portland Cement Manufacturing Plant
211.4990	Power Driven Fastener Coating
211.5030	Pressure Release
211.5050	Pressure Tank
211.5070	Prime Coat
211.5090	Primer Surfacer Coat
211.5110	Primer Surfacer Operation
211.5130	Primers
211.5150	Printing
211.5170	Printing Line
211.5185	Process Emission Source
211.5190	Process Emission Unit
211.5210	Process Unit
211.5230	Process Unit Shutdown
211.5250	Process Weight Rate
211.5270	Production Equipment Exhaust System
211.5310	Publication Rotogravure Printing Line
211.5330	Purged Process Fluid
211.5350	Reactor
211.5370	Reasonably Available Control Technology (RACT)
211.5410	Refiner
211.5430	Refinery Fuel Gas
211.5450	Refinery Fuel Gas System
211.5470	Refinery Unit or Refinery Process Unit
211.5490	Refrigerated Condenser
211.5510	Reid Vapor Pressure
211.5550	Repair Coat
211.5570	Repaired
211.5590	Residual Fuel Oil
211.5610	Restricted Area
211.5630	Retail Outlet
211.5650	Ringelmann Chart
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211.5690	Roll Coater
211.5710	Roll Coating
211.5730	Roll Printer
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211.5770	Rotogravure Printing
211.5790	Rotogravure Printing Line
211.5810	Safety Relief Valve
211.5830	Sandblasting
211.5850	Sanding Sealers
211.5870	Screening
211.5890	Sealer
211.5910	Semi-Transparent Stains
211.5930	Sensor
211.5950	Set of Safety Relief Valves
211.5970	Sheet Basecoat
211.5990	Shotblasting
211.6010	Side-Seam Spray Coat
211.6030	Smoke
211.6050	Smokeless Flare
211.6070	Solvent
211.6090	Solvent Cleaning
211.6130	Source
211.6150	Specialty High Gloss Catalyzed Coating
211.6190	Specialty Soybean Crushing Source
211.6210	Splash Loading
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211.6270	Standard Conditions
211.6290	Standard Cubic Foot (scf)
211.6310	Start-Up
211.6330	Stationary Emission Source
211.6350	Stationary Emission Unit
211.6370	Stationary Source
211.6390	Stationary Storage Tank
211.6410	Storage Tank or Storage Vessel
211.6430	Styrene Devolatilizer Unit
211.6450	Styrene Recovery Unit
211.6470	Submerged Loading Pipe
211.6490	Substrate
211.6510	Sulfuric Acid Mist
211.6530	Surface Condenser
211.6550	Synthetic Organic Chemical or Polymer Manufacturing Plant
211.6570	Tablet Coating Operation
211.6590	Thirty-Day Rolling Average
211.6610	Three-Piece Can
211.6670	Topcoat
211.6690	Topcoat Operation
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211.6750	Tread End Cementing
211.6770	True Vapor Pressure
211.6790	Turnaround
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211.6870	Unregulated Safety Relief Valve
211.6890	Vacuum Producing System
211.6910	Vacuum Service
211.6930	Valves Not Externally Regulated
211.6950	Vapor Balance System
211.6970	Vapor Collection System
211.6990	Vapor Control System
211.7010	Vapor-Mounted Primary Seal
211.7030	Vapor Recovery System
211.7070	Vinyl Coating
211.7090	Vinyl Coating Line
211.7110	Volatile Organic Liquid (VOL)
211.7130	Volatile Organic Material Content (VOMC)
211.7150	Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)
211.7170	Volatile Petroleum Liquid
211.7190	Wash Coat
211.7210	Wastewater (Oil/Water) Separator
211.7230	Weak Nitric Acid Manufacturing Process
211.7250	Web
211.7270	Wholesale Purchase - Consumer
211.7290	Wood Furniture
211.7310	Wood Furniture Coating
211.7330	Wood Furniture Coating Line
211.7350	Woodworking

Section 211.Appendix*PPENDIX A Rule into Section Table

Section 211.Appendix*PPENDIX B Section into Rule Table

AUTHORITY: Implementing Sections 9 and 10 and authorized by Section 27 and 28.5 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 $\frac{1}{2}$, pars. 1009, 1010 and 1027), (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/9, 10, 27 and 28.5].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 201: Definitions, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 Ill. Reg. 13590; amended in R82-1 (Docket

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A) at 10 Ill. Reg. 12624, effective July 7, 1986; amended in R85-21(A) at 11 Ill. Reg. 11747, effective June 29, 1987; amended in R86-34 at 11 Ill. Reg. 12267, effective July 10, 1987; amended in R86-39 at 11 Ill. Reg. 20804, effective December 14, 1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 787, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7284, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7621, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10862, effective June 27, 1989; amended in R89-8 at 13 Ill. Reg. 17457, effective January 1, 1990; amended in R89-16(A) at 14 Ill. Reg. 9141, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 5223, effective March 28, 1991; amended in R88-14 at 15 Ill. Reg. 7901, effective May 14, 1991; amended in R91-10 at 15 Ill. Reg. 15564, effective October 11, 1991; amended in R91-6 at 15 Ill. Reg. 15673, effective October 14, 1991; amended in R91-22 at 16 Ill. Reg. 7656, effective May 1, 1992; amended in R91-24 at 16 Ill. Reg. 13526, effective August 24, 1992; amended in R93- at 17 Ill. Reg. _____, effective _____.

Section 211.102 Abbreviations and Units

a) Abbreviations used in this Part include the following:

ASTM	American Society for Testing and Materials
bbl	barrels (42 gallons)
btu	British thermal units (60°F)
°C	degrees Celsius or centigrade
cm	centimeters
cu in	cubic inches
°F	degrees Fahrenheit
FIP	Federal Implementation Plan
ft	feet
ft ²	square feet
g	grams
gpm	gallons per minute
g/mole	grams per mole
gal	gallons
hr	hours
in	inch
°K	degrees Kelvin
kcal	kilocalories
kg	kilograms
kg/hr	kilograms per hour
kpa	kilopascals; one thousand newtons per square meter
l	liters

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l/sec	liters per second
lbs	pounds
lbs/hr	pounds per hour
lbs/gal	pounds per gallon
LEL	lower explosive limit
m	meters
m ²	square meters
m ³	cubic meters
mg	milligrams
Mg	Megagrams, metric tons or tonnes
ml	milliliters
min	minutes
MJ	megajoules
mmHg	millimeters of mercury
NDO	natural draft opening
ppm (vol)	parts per million
ppmv	parts per million by volume
psi	pounds per square inch
psia	pounds per square inch absolute
psig	pounds per square inch gauge
RACT	reasonably available control technology
scf	standard cubic feet
scm	standard cubic meters
sec	seconds
SIP	State Implementation Plan
TTE	temporary total enclosure
sq cm	square centimeters
sq in	square inches
T	short ton (2,000 lbs)
ton	short ton (2,000 lbs)
USEPA	United States Environmental Protection Agency
VOC	volatile organic compounds
VOL	volatile organic liquids
VOM	volatile organic materials

b) The following conversion factors are used in this Part.

English	Metric
1 gal	3.785 l
1,000 gal	3,785 l or 3.785 m ³
1 psia	6.897 kPa (51.71 mmHg)
2,205 lbs	1 kg
32°	0°C (273.15° K)
1 bbl	159.0 l
1 cu in	16.39 ml
1 lb/gal	119,800 mg/l

1 ton 0.907 Mg
1 T 0.907 Mg

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART B: DEFINITIONS

Section 211.121 Other Definitions

All terms defined in 35 Ill. Adm. Code 201 which appear in 35 Ill. Adm. Code 211 - 217 219 have the definitions specified by 35 Ill. Adm. Code 201.102. Otherwise the definitions in Section 211.122 this Part shall apply.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 211.122 Definitions (Repealed)

"Accelerator": a pharmaceutical coating operation which consists of a horizontally rotating perforated drum in which tablets are placed, a coating is applied by spraying and the coating is dried by the flow of air across the drum through the perforations.

"Accumulator": The reservoir of a condensing unit receiving the condensate from a surface condenser.

"Acid Gases": For the purposes of Section 9.4 of the Environmental Protection Act (the Act) (Ill. Rev. Stat. 1987, ch. 111, par. 1009.4), hydrogen chloride, hydrogen fluoride and hydrogen bromide, which exist as gases, liquid mist, or any combination thereof.

"Actual Heat Input": The quantity of heat produced by the combustion of fuel using the gross heating value of the fuel.

"Aeration": The practice of forcing air through bulk stored grain to maintain the condition of the grain.

"Afterburner": A device in which materials in gaseous effluents are combusted.

"Air-Dried Coating": Coatings that dry by the use of air or forced air at temperatures up to 363.15° K (194° F).

"Air-suspension coater/dryer": a pharmaceutical

coating operation which consists of vertical chambers in which tablets or particles are placed, and a coating is applied and then dried while the tablets or particles are kept in a fluidized state by the passage of air upward through the chambers.

"Annual Grain Through-Put": Unless otherwise shown by the owner or operator, annual grain through-put for grain handling operations, which have been in operation for three consecutive years prior to June 30, 1975, shall be determined by adding grain receipts and shipments for the three previous fiscal years and dividing the total by 6. The annual grain through-put for grain handling operations in operation for less than three consecutive years prior to June 30, 1975, shall be determined by a reasonable three-year estimate; the owner or operator shall document the reasonableness of his three-year estimate.

"Architectural Coating": Any coating used for residential or commercial buildings or their appurtenances, or for industrial buildings which is site applied.

"Asphalt": The dark brown to black cementitious material (solid, semisolid or liquid in consistency) of which the main constituents are bitumens which occur naturally or as a residue of petroleum refining.

"Asphalt Prime Coat": A low viscosity liquid asphalt applied to an absorbent surface as the first of more than one asphalt coat.

"Automobile": Any first division motor vehicle as that term is defined in the Illinois Vehicle Code (Ill. Rev. Stat. 1987, ch. 95, pars 1-100 et seq.).

"Automobile or Light-Duty Truck Manufacturing Plant": A facility where parts are manufactured or finished for eventual inclusion into a finished automobile or light-duty truck ready for sale to vehicle dealers, but not including customizers, body shops and other repainters.

"Automobile or Light Duty Truck Refinishing": The repainting of used automobiles or light duty trucks.

"Batch Loading": The process of loading a number of

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individual parts at the same time for degreasing.

"Bead-Dipping": The dipping of an assembled tire bead into a solvent-based cement.

"British Thermal Unit": The quantity of heat required to raise one pound of water from 60° F to 61° F (abbreviated btu).

"Bulk Gasoline Plant": Any gasoline storage and distribution facility that receives gasoline from bulk gasoline terminals by delivery vessels and distributes gasoline to gasoline dispensing facilities.

"Bulk Gasoline Terminal": Any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, and distributes gasoline to bulk gasoline plants or gasoline dispensing facilities.

"Can-Coating": The application of a coating material to a single walled container that is manufactured from metal sheets thinner than 29 gauge (0.0141 in.).

"Certified Investigation": A report signed by Illinois Environmental Protection Agency (Agency) personnel certifying whether a grain-handling operation (or portion thereof) or grain-drying operation is causing or tending to cause air pollution. Such report must describe the signatory's investigation, including a summary of those facts on which he relies to certify whether the grain-handling or grain-drying operation is causing or threatening or allowing the discharge or emission of any contaminant into the environment so as to cause or tend to cause air pollution in Illinois, either alone or in combination with contaminants from other sources, or so as to violate regulations or standards adopted by the Pollution Control Board (Board) under the Environmental Protection Act (Act). The certified investigation shall be open to a reasonable public inspection and may be copied upon payment of the actual cost of reproducing the original.

"Choke Loading": That method of transferring grain from the grain-handling operation to any vehicle for shipment or delivery which precludes a free fall velocity of grain from a discharge spout into the receiving container.

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"Cleaning and Separating Operation": That operation where foreign and undesired substances are removed from the grain.

"Clear-Coating": Coatings that lack color and opacity or are transparent using the undercoat as a reflectant base or undertone color.

"Closed purge system": A system that is not open to the atmosphere and that is composed of piping, connections, and, if necessary, flow-inducing devices that transport liquid or vapor from a piece or pieces of equipment to a control device, or return the liquid or vapor to the process line.

"Closed Vent System": A system that is not open to the atmosphere and that is composed of piping, connections, and, if necessary, flow-inducing devices that transport gas or vapor from a piece or pieces of equipment to a control device, or return the gas or vapor to the process line.

"Coal Refuse": Waste products of coal mining, cleaning and coal preparation operations containing coal, matrix material, clay and other organic and inorganic material.

"Coating": For purposes of this Part, a coating includes a material applied to a substrate for decorative, protective or other functional purposes. Such material shall include, but are not limited to, paints, varnishes, sealers, adhesives, diluents and thinners.

"Coating Applicator": Equipment used to apply a surface coating.

"Coating Line": An operation where a surface coating is applied to a material and subsequently the coating is dried and/or cured.

"Coating Plant": Any building, structure or installation that contains a coating line and which is located on one or more contiguous or adjacent properties and which is owned or operated by the same person (or by persons under common control).

"Ceil-Coating": The application of a coating material

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device, vapor recovery system, flare, or closed container.

"Conveyerized Degreasing": The continuous process of cleaning and removing soils from surfaces utilizing either cold or vaporized solvents.

"Crude Oil": A naturally occurring mixture which consists of hydrocarbons and sulfur, nitrogen or oxygen derivatives of hydrocarbons and which is a liquid at standard conditions.

"Crude Oil Gathering": The transportation of crude oil or condensate after custody transfer between a production facility and a reception point.

"Crushing": The fragmentation of non-metallic minerals by a machine such as a jaw, gyratory, cone, roll, rod, mill, hammermill, and impactor.

"Custody Transfer": The transfer of produced petroleum and/or condensate after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other forms of transportation.

"Cutback Asphalt": Any asphalt which has been liquified by blending with petroleum solvents other than residual fuel oil and has not been emulsified with water.

"Degreaser": Any equipment or system used in solvent cleaning.

"Delivery Vessel": Any tank truck or trailer equipped with a storage tank that is used for the transport of gasoline to a stationary storage tank at a gasoline dispensing facility, bulk gasoline plant or bulk gasoline terminal.

"Distillate Fuel Oil": Fuel oils of grade No. 1 or 2 as specified in detailed requirements for fuel oil A.C.F.M. D-360-60 (1971).

"Dry Cleaning Facility": A facility engaged in the cleaning of fabrics using an essentially nonaqueous solvent by means of one or more solvent washes, extraction of excess solvent by spinning and drying by

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to any flat metal sheet or strip that comes in rolls or coils.

"Cold Cleaning": The process of cleaning and removing soils from surfaces by spraying, brushing, flushing or immersion while maintaining the organic solvent below its boiling point. Wipe cleaning is not included in this definition.

"Complete Combustion": A process in which all carbon contained in a fuel or gas stream is converted to carbon dioxide.

"Component": Any piece of equipment which has the potential to leak volatile organic material including, but not limited to, pump seals, compressor seals, seal oil degassing vents, pipeline valves, pressure relief devices, process drains and open ended valves. This definition excludes valves which are not externally regulated, flanges, and equipment in heavy liquid service, for purposes of 35 Ill. Adm. Code 215. Subpart Q, this definition also excludes bleed ports of gear pumps in polymer service.

"Concentrated Nitric Acid Manufacturing Process": Any acid producing facility manufacturing nitric acid with a concentration equal to or greater than 70 percent by weight.

"Condensate": Hydrocarbon liquid separated from its associated gases which condenses due to changes in the temperature or pressure and remains liquid at standard conditions.

"Condensible PM-10": PM-10 formed immediately or shortly after discharge to the atmosphere, as measured by the applicable test method specified in 35 Ill. Adm. Code 212.110. Condensible particulate matter exists in gaseous and/or vapor form prior to release to the atmosphere, e.g., in the stack, and forms particulate matter upon condensation when subject to conditions of cooling and dilution in the atmosphere.

"Control Device": Equipment, such as an afterburner, adsorber, scrubber, condenser, cyclone or baghouse used to remove or prevent the emission of air pollutants from a contaminated exhaust stream, for purposes of 35 Ill. Adm. Code 215, Subpart Q, an enclosed combustion

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"tumbling in an airstream. The facility includes, but is not limited to, washers, dryers, filter and purification systems, waste disposal systems, holding tanks, pumps and attendant piping and valves.

"Dump Pit Area". Any area where grain is received at a grain handling or grain drying operation.

"Ineffective Grate Area". That area of a dump pit grate through which air passes, or would pass, when aspirated.

"Effluent Water Separator". Any tank, box, sump or other apparatus in which any organic material floating on or entrained or contained in water entering such tank, box, sump or other apparatus is physically separated and removed from such water prior to outfall, drainage or recovery of such water.

"Emission Rate". Total quantity of any air contaminant discharge into the atmosphere in any one hour period.

"Enclosure". With respect to 35 Ill. Adm. Code 215 Subpart T, to cover any volatile organic liquid surface that is exposed to the atmosphere.

"End Sealing Compound Coat". A compound applied to can ends which functions as a gasket when the end is assembled on the can.

"Excess Air". Air supplied in addition to the theoretical quantity necessary for complete combustion of all fuel and/or combustible waste material.

"Excessive Release". A discharge of more than 295g (0.65 pounds) of mercaptans or hydrogen sulfide into the atmosphere in any five minute period.

"Existing Grain Drying Operation". Any grain drying operation the construction or modification of which was commenced prior to June 30, 1975.

"Existing Grain Handling Operation". Any grain handling operation the construction or modification of which was commenced prior to June 30, 1975.

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"Exterior Base Coat". An initial coating applied to the exterior of a can after the can body has been formed.

"Exterior End Coat". A coating applied by rollers or spraying to the exterior end of a can.

"External Floating Roof". A storage vessel cover in an open top tank consisting of a double deck or pontoon single deck which is supported by the petroleum liquid being contained and is equipped with a closure seal between the deck edge and tank wall.

"Extreme Performance Coating". Coatings designed for exposure to any of the following: the ambient weather conditions, temperatures above 368.15° K (203° F), detergents, abrasive and scouring agents, solvents, corrosive atmospheres, or other similar extreme environmental conditions.

"Fabric Coating". The coating of a textile substrate including operations where the coating impregnates the substrate.

"Final Repair Coat". The repainting of any coating which is damaged during vehicle assembly.

"Firebox". The chamber or compartment of a boiler or furnace in which materials are burned, but not the combustion chamber or afterburner of an incinerator.

"Flexographic Printing". The application of words, designs and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is raised above the printing roll and the image carrier is made of elastomeric materials.

"Floating Roof". A roof on a stationary tank reservoir or other container which moves vertically upon change in volume of the stored material.

"Freeboard Height". For open top vapor degreasers, the distance from the top of the vapor zone to the top of the degreaser tank. For cold cleaning degreasers, the distance from the solvent to the top of the degreaser tank.

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"Fuel Combustion Emission Source". Any furnace, boiler or similar equipment used for the primary purpose of producing heat or power by indirect heat transfer.

"Fuel Gas System". A system for collection of refinery fuel gas including, but not limited to, piping for collecting tail gas from various process units, mixing drums and controls and distribution piping.

"Fugitive Particulate Matter". Any particulate matter emitted into the atmosphere other than through a stack, provided that nothing in this definition or in 35 Ill. Adm. Code 212. Subpart K shall exempt any source from compliance with other provisions of 35 Ill. Adm. Code 212 otherwise applicable merely because of the absence of a stack.

"Gas Service". Means that the component contains process fluid that is in the gaseous state at operating conditions.

"Gasoline". Any petroleum distillate having a Reid vapor pressure of 4 pounds or greater.

"Gasoline Dispensing Facility". Any site where gasoline is transferred from a stationary storage tank to a motor vehicle gasoline tank used to provide fuel to the engine of that motor vehicle.

"Grain". The whole kernel or seed of corn, wheat, oats, soybeans and any other cereal or oil seed plant, and the normal fines, dust and foreign matter which results from harvesting, handling or conditioning. The grain shall be unaltered by grinding or processing.

"Grain-Drying Operation". Any operation, excluding aeration, by which moisture is removed from grain and which typically uses forced ventilation with the addition of heat.

"Grain-Handling and Conditioning Operation". A grain storage facility and its associated grain transfer, cleaning, drying, grinding and mixing operations.

"Grain-Handling Operation". Any operation where one or more of the following grain-related processes (other than grain-drying operation, portable grain-handling equipment, one turn storage space, and excluding flour

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mills and feed mills) are performed; receiving, shipping, transferring, storing, mixing or treating of grain or other processes pursuant to normal grain operations.

"Green Tire Spraying". The spraying of green tires, both inside and outside, with release compounds which help remove air from the tire during molding and prevent the tire from sticking to the mold after curing.

"Green Tires". Assembled tires before molding and curing have occurred.

"Gross Heating Value". Amount of heat produced when a unit quantity of fuel is burned to carbon dioxide and water vapor, and the water vapor condensed as described in A.S.T.M. D-2015-66, D-900-55, D-1826-64 and D-240-64.

"Heavy Liquid". Liquid with a true vapor pressure of less than 0.3 kPa (0.04 psi) at 294.3° K (70° F) or 0.1 Reid Vapor Pressure as determined by A.S.T.M. method D-323, or which when distilled requires a temperature of 300° F or greater to recover 10% of the liquid as determined by A.S.T.M. method D-86.

"Heavy Metals". For the purposes of Section 9.4 of the Act, elemental, ionic, or combined forms of arsenic, cadmium, mercury, chromium, nickel and lead.

"Heavy, Off-Highway Vehicle Products". For the purposes of Section 215.204(k), heavy off-highway vehicle products shall include: heavy construction, mining, farming or material handling equipment; heavy industrial engines; diesel electric locomotives and associated power generation equipment; and the components of such equipment or engines.

"Hot Well". The reservoir of a condensing unit receiving the condensate from a barometric condenser.

"Housekeeping Practices". These activities specifically defined in the list of housekeeping practices developed by the Joint EPA-Industry Task Force and included herein under 35 Ill. Adm. Code 212.461.

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"Incinerator". Combustion apparatus in which refuse is burned.

"Indirect Heat Transfer". Transfer of heat in such a way that the source of heat does not come into direct contact with process materials.

"In-Process Tank". A container used for mixing, blending, heating, reacting, holding, crystallizing, evaporating, or cleaning operations in the manufacture of pharmaceuticals.

"In-situ Sampling Systems". Nonextractive samplers or in-line samplers.

"Interior Body Spray Coat". A coating applied by spray to the interior of a can after the can body has been formed.

"Internal Transferring Area". Areas and associated equipment used for conveying grain among the various grain operations.

"Large Appliance Coating". The application of a coating material to the component metal parts (including but not limited to doors, cases, lids, panels and interior support parts) of residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dishwashers, trash compactors, air conditioners and other similar products.

"Light-Duty Truck". Any second division motor vehicle, as that term is defined in the Illinois Vehicle Code, (Ill. Rev. Stat., ch. 95 $\frac{1}{2}$, pars. 1-100 et seq.) weighing less than 3854 kilograms (8500 pounds) gross.

"Liquid-Mounted Seal". A primary seal mounted in continuous contact with the liquid between the tank wall and the floating roof edge around the circumference of the roof.

"Liquid Service". Means that the equipment or component contains process fluid that is in a liquid state at operating conditions.

"Liquids Dripping". Any visible leaking from a seal including spraying, misting, clouding and ice formation.

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"Load-Out Area". Any area where grain is transferred from the grain handling operation to any vehicle for shipment or delivery.

"Low Solvent Coating". A coating which contains less organic solvent than the conventional coatings used by the industry. Low solvent coatings include water-borne, higher solids, electro-deposition and powder coatings.

"Magnet Wire Coating". The application of a coating of electrically insulating varnish or enamel to conducting wire to be used in electrical machinery.

"Major Dump Pit". Any dump pit with an annual grain throughput of more than 300,000 bushels, or which receives more than 40% of the annual grain throughput of the grain handling operation.

"Major Metropolitan Area (MMA)". Any county or group of counties which is defined by the following Table:

MAJOR METROPOLITAN AREAS IN ILLINOIS (MMA's)

MMA COUNTIES INCLUDED IN MMA

Champaign-Urbana Champaign

Chicago Cook, Lake, Will, DuPage,
McHenry, Kane, Grundy,
Kendall, Kanekeee

Decatur Macon

Peoria Peoria, Tazewell

Rockford Winnebago

Rock Island Moline Rock Island

Springfield Sangamon

St. Louis (Illinois) St. Clair, Madison

Bloomington Normal McLean

"Major Population Area (MPA)". Areas of major population concentration in Illinois, as described below:

The area within the counties of Cook, Lake, DuPage, Will, the townships of Barton, Richmond, McHenry, Greenwood, Nunda, Deer, Algonquin, Grafton and the municipality of Woodstock, plus a zone extending two miles beyond the boundary of said municipality located in McHenry County, the townships of Dundee, Rutland, Elgin, Plato, St. Charles, Campton, Geneva, Blackberry, Batavia, Sugar

Creek and Aurora located in Kane County, and the municipalities of Kankakee, Bradley and Bourbonnais, plus a zone extending two miles beyond the boundaries of said municipalities in Kankakee County.

The area within the municipalities of Rockford and Loves park, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Rock Island, Moline, East Moline, Carbon Cliff, Milan, Oak Grove, Silvis, Hampton, Greenwood and Coal Valley, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Galesburg and East Galesburg, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Bartonville, Peoria and Peoria Heights, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Pekin, North Pekin, Marquette Heights, Creve Coeur and East Peoria, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Bloomington and Normal, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Champaign, Urbana and Savoy, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Decatur, Mt. Zion, Harristown and Forsyth, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Springfield, Ieland Grove, Jerome, Southern View, Grandview, Sherman and Chatham, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the townships of Godfrey, Foster, Wood River, Fort Russell, Chouteau, Edwardsville, Venice,

Nameeki, Alton, Granite City and Collinsville located in Madison County, and the townships of Stites, Ganteen, Centreville, Caseyville, St. Clair, Sugar Loaf and Stookey located in St. Clair County.

"Manufacturing Process": A process emission source or series of process emission sources used to convert raw materials, feed stocks, subassemblies or other components into a product, either for sale or for use as a component in a subsequent manufacturing process.

"Marine Terminal": A facility primarily engaged in loading and unloading watercraft.

"Metal Furniture Coating": The application of a coating material to any furniture piece made of metal or any metal part which is or will be assembled with other metal, wood, fabric, plastic or glass parts to form a furniture piece including, but not limited to, tables, chairs, wastebaskets, beds, desks, lockers, benches, shelving, file cabinets, lamps and room dividers. This definition shall not apply to any coating line coating metal parts or products that is identified under the Standard Industrial Classification Code for Major Groups 33, 34, 35, 36, 37, 38, 39, 40 or 41.

"Miscellaneous Fabricated Product Manufacturing Process":

A manufacturing process involving one or more of the following applications, including any drying and curing of formulations, and capable of emitting volatile organic material:

Adhesives to fabricate or assemble non-furniture components or products

Asphalt solutions to paper or fiberboard

Asphalt to paper or felt

Coatings or dye to leather

Coatings to plastic

Coatings to rubber or glass

Curing of furniture adhesives in an oven which would emit in excess of 10 tons of volatile organic material per year if no air pollution control equipment were used

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~~Disinfectant material to manufactured items~~

~~Plastic foam scrap or "fluff" from the manufacture of foam containers and packaging material to form resin pellets~~

~~Resin solutions to fiber substances~~

~~Rubber solutions to molds~~

~~Viscose solutions for feed casings~~

~~The storage and handling of formulations associated with the process described above.~~

~~The use and handling of organic liquids and other substances for clean-up operations associated with the process described above.~~

~~Miscellaneous Formulation Manufacturing Process.~~

~~A manufacturing process which compounds one or more of the following and is capable of emitting volatile organic material:~~

~~Adhesives~~

~~Asphalt solutions~~

~~Caulks, sealants or waterproofing agents~~

~~Coatings, other than paint and ink~~

~~Concrete curing compounds~~

~~Dyes~~

~~Friction materials and compounds~~

~~Resin solutions~~

~~Rubber solutions~~

~~Viscose solutions~~

~~The storage and handling of formulations associated with the process described above.~~

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~~The use and handling of organic liquids and other substances for clean-up operations associated with the process described above.~~

~~Miscellaneous Metal Parts and Products.~~ For the purpose of 35 Ill. Adm. Code 215.204, miscellaneous metal parts and products shall include farm machinery, garden machinery, small appliances, commercial machinery, industrial machinery, fabricated metal products and any other industrial category which coats metal parts or products under the Standard Industrial Classification Code for Major Groups 33, 34, 35, 36, 37, 38 or 39 with the exception of the following: coating lines subject to 35 Ill. Adm. Code 215.204(a) (1) and (4), automobile or light-duty truck refinishing, the exterior of marine vessels and the customized top coating of automobiles and trucks if production is less than thirty-five vehicles per day.

~~Miscellaneous Organic Chemical Manufacturing Process.~~

~~A manufacturing process which produces by chemical reaction, one or more of the following organic compounds or mixtures of organic compounds and which is capable of emitting volatile organic materials:~~

~~Chemicals listed in 35 Ill. Adm. Code 215. Appendix D.~~

~~Chlorinated and sulfonated compounds~~

~~Cosmetic, detergent, soap or surfactant intermediaries or specialties and products~~

~~Disinfectants~~

~~Food additives~~

~~Oil and petroleum product additives~~

~~Plasticizers~~

~~Resins or polymers~~

~~Rubber additives~~

~~Sweeteners~~

~~Varnishes~~

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"The storage and handling of formulations associated with the process described above.

"The use and handling of organic liquids and other substances for clean-up operations associated with the process described above.

"Mixing Operation": The operation of combining two or more ingredients, of which at least one is a grain.

"New Grain-Drying Operation": Any grain-drying operation the construction or modification of which is commenced on or after June 30, 1975.

"New Grain-Handling Operation": Any grain-handling operation the construction or modification of which is commenced on or after June 30, 1975.

"Non-Detectable Volatile Organic Material Emissions": A discharge of volatile organic material into the atmosphere as indicated by an instrument reading of less than 500 ppm above background as determined in accordance with 40 CFR 50.485(e).

"One Hundred Percent Acid": Acid with a specific gravity of 1.8205 at 30° C in the case of sulfuric acid and 1.4952 at 30° C in the case of nitric acid.

"One-Turn Storage Space": That space used to store grain with a total annual throughput put not in excess of the total bushel storage of that space.

"Opacity": A condition which renders material partially or wholly impervious to transmittance of light and causes obstruction of an observer's view. For the purposes of these regulations, the following equivalence between opacity and Ringelmann shall be employed:

Opacity	Ringelmann
10	0.5
20	1
30	1.5
40	2
50	3
60	4
70	5

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"Open Top Vapor Degreasing": The batch process of cleaning and removing soils from surfaces by condensing hot solvent vapor on the colder metal parts.

"Operator of Gasoline Dispensing Facility": Any person who is the lessee of or operates, controls or supervises a gasoline dispensing facility.

"Organic Compound": Any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metal carbides or carbonates, and ammonium carbonate.

"Organic Material": Any chemical compound of carbon including diluents and thinners which are liquids at standard conditions and which are used as solvents, viscosity reducers or cleaning agents, but excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbonic acid, metallic carbide, metallic carbonates and ammonium carbonate.

"Organic Materials": For the purposes of Section 9.4 of the Act, any chemical compound of carbon, including diluents and thinners which are liquids at standard conditions and which are used as solvents, viscosity reducers or cleaning agents, and polyetherinated dibenzo-p-dioxins, polychlorinated dibenzofurans and polynuclear aromatic hydrocarbons are organic materials, while methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbonic acid, metallic carbide, metallic carbonates and ammonium carbonate are not organic materials.

"Organic Vapor": Gaseous phase of an organic material or a mixture of organic materials present in the atmosphere.

"Overvarnish": A coating applied directly over ink or printing.

"Owner of Gasoline Dispensing Facility": Any person who has legal or equitable title to a stationary storage tank at a gasoline dispensing facility.

"Packaging Rotogravure Printing": Rotogravure printing upon paper, paper board, metal foil, plastic film and other substrates, which are, in subsequent operations, formed into packaging products or labels for articles to be sold.

"Paint Manufacturing Plant": A plant that mixes, blends, or

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compounds enamels, lacquers, sealers, shellacs, stains, varnishes or pigmented surface coatings.

"Paper Coating". The application of a coating material to paper or pressure sensitive tapes, regardless of substrate, including web coating on plastic fibers and decorative coatings on metal foil.

"Particulate Matter". Any solid or liquid material, other than water, which exists in finely divided form.

"Petroleum Liquid". Crude oil, condensate or any finished or intermediate product manufactured at a petroleum refinery, but not including Number 2 through Number 6 fuel oils as specified in A.S.T.M. D-396-69, gas turbine fuel oils Numbers 2-CT through 4-CT as specified in A.S.T.M. D-2880-71 or diesel fuel oils Numbers 2-D and 4-D, as specified in A.S.T.M. D-975-68.

"Petroleum Refinery". Any facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation, cracking, extraction or reforming of unfinished petroleum derivatives.

"Pharmaceutical". Any compound or mixture, other than food, used in the prevention, diagnosis, alleviation, treatment or cure of disease in man and animal.

"Pharmaceutical Coating Operation". A device in which a coating is applied to a pharmaceutical, including any drying or curing of the coating.

"Photochemically Reactive Material". Any organic material with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified below or the composition of which exceeds any of the following individual percentage composition limitations. Whenever any photochemically reactive material or any constituent of any organic material may be classified from its chemical structure into more than one of the above groups of organic materials it shall be considered as a member of the most reactive group, that is, the group having the least allowable percent of the total organic materials.

A combination of hydrocarbons, alcohols, aldehydes, esters, ethers or ketones having an olefinic or cyclo-olefinic types of unsaturation: 5 percent. This

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definition does not apply to perchloroethylene or trichloroethylene.

A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.

A combination of ethylbenzene, ketones having branched hydrocarbon structures or toluene: 20 percent.

"Plant". All of the pollutant emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control), except the activities of any marine vessel. Pollutant emitting activities shall be considered as part of the same industrial grouping if they belong to the same major group (i.e., which have the same two-digit code) as described in the "Standard Industrial Classification Manual", 1987.

"PM-10". Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers, as measured by the applicable test methods specified by rule. Ambient air concentrations for PM-10 are usually expressed in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

"Pneumatic Rubber Tire Manufacture". The production of pneumatic rubber tires with a bead diameter up to but not including 20.0 inches and cross section dimension up to 12.8 inches, but not including specialty tires for antique or other vehicles when produced on equipment separate from normal production lines for passenger or truck type tires.

"Polybasic Organic Acid Partial Oxidation Manufacturing Process". Any process involving partial oxidation of hydrocarbons with air to manufacture polybasic acids or their anhydrides, such as maleic anhydride, phthalic anhydride, terephthalic acid, isophthalic acid, trimellitic anhydride.

"Portable Grain Handling Equipment". Any equipment (excluding portable grain dryers) that is designed and maintained to be movable primarily for use in a non-continuous operation for loading and unloading one-turn storage space, and is not physically connected to the grain elevator, provided that the manufacturer's rated capacity of

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the equipment does not exceed 10,000 bushels per hour.

"Portland Cement Manufacturing Process Emission Source".—any items of process equipment or manufacturing processes used in or associated with the production of portland cement, including, but not limited to, a kiln, clinker cooler, raw mill system, finish mill system, raw material dryer, material storage bin or system, material conveyor belt or other transfer system, material conveyor belt transfer point, bagging operation, bulk unloading station, or bulk loading station.

"Portland Cement Process" or "Portland Cement Manufacturing Plant".—Any facility or plant manufacturing portland cement by either the wet or dry process.

"Power Driven Fastener Coating".—The coating of nail, staple, brad and finish nail fasteners where such fasteners are fabricated from wire or rod of 0.0254 inch diameter or greater, where such fasteners are bonded into coils or strips, such coils and strips containing a number of such fasteners, which fasteners are manufactured for use in power tools, and which fasteners must conform with formal standards for specific uses established by various federal and national organizations including Federal Specification FF-N-105b of the General Services Administration dated August 23, 1947 (does not include any later amendments or editions), U.S. Army Armament Research and Development Command, ATTN: DRDAH-TST, Rock Island, IL 61204, Bulletin UM-25d of the U.S. Department of Housing and Urban Development—Federal Housing Administration dated September 5, 1973 (does not include any later amendments or editions), Department of HUD, 547 W. Jackson Blvd., Room 1405, Chicago, IL 60606, and the Model Building Code of the Council of American Building Officials, and similar standards. For the purposes of this definition, the terms "brad" and "finish nail" refer to single leg fasteners fabricated in the same manner as staples. The application of coatings to staple, brad, and finish nail fasteners may be associated with the incremental forming of such fasteners in a cyclic or repetitive manner (incremental fabrication) or with the forming of strips of such fasteners as a unit from a band of wire (unit fabrication).

"ppm (Vol)" — (Parts per Million) (Volume).—A volume/volume ratio which expresses the volumetric concentration of gaseous air contaminant in a million unit volumes of gas.

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"Pressure Release".—The emission of materials resulting from system pressure being greater than set pressure of the pressure relief device.

"Pressure Tank".—A tank in which fluids are stored at a pressure greater than atmospheric pressure.

"Prime Coat".—The first film of coating material applied in a multiple coat operation.

"Prime Surface Coat".—A film of coating material that touches up areas on the surface not adequately covered by the prime coat before application of the top coat.

"Process".—Any stationary emission source other than a fuel combustion emission source or an incinerator.

"Process Unit".—Components assembled to produce, as intermediate or final products, one or more of the chemicals listed in 35 Ill. Adm. Code 215-Appendix D. A process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

"Process Unit Shutdown".—A work practice or operational procedure that stops production from a process unit or part of a process unit. An unscheduled work practice or operational procedure that stops production from a process unit or part of a process unit for less than 24 hours is not a process unit shutdown. The use of spare components and technically feasible bypassing of components without stopping production is not a process unit shutdown.

"Process Weight Rate".—The actual weight or engineering approximation thereof of all materials except liquid and gaseous fuels and combustion air, introduced into any process per hour. For a cyclical or batch operation, the process weight rate shall be determined by dividing such actual weight or engineering approximation thereof by the number of hours of operation excluding any time during which the equipment is idle. For continuous processes, the process weight rate shall be determined by dividing such actual weight or engineering approximation thereof by the number of hours in one complete operation, excluding any time during which the equipment is idle.

"Production Equipment Exhaust System".—A system for collecting and directing into the atmosphere emissions of

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volatile organic material from reactors, centrifuges and other process emission sources.

"Publication Retogravure Printing". Retogravure printing upon paper which is subsequently formed into books, magazines, catalogues, brochures, directories, newspaper supplements or other types of non-packaging printed materials.

"Purged Process Fluid". Liquid or vapor from a process unit that contains volatile organic material and that results from flushing or cleaning the sample line(s) of a process unit so that an uncontaminated sample may then be taken for testing or analysis.

"Reactor". A vat, vessel or other device in which chemical reactions take place.

"Reasonably Available Control Technology (RACT)". The lowest emission limitation that an emission source is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility.

"Refinery Fuel Gas". Any gas which is generated by a petroleum refinery process unit and which is combusted at the refinery, including any gaseous mixture of natural gas and fuel gas.

"Refinery Unit, Process Unit or Unit". A set of components which are a part of a basic process operation such as distillation, hydrotreating, cracking or reforming of hydrocarbons.

"Refrigerated Condenser". A surface condenser in which the coolant supplied to the condenser has been cooled by a mechanical device, other than by a cooling tower or evaporative spray cooling, such as a refrigeration unit or steam-chiller unit.

"Residual Fuel Oil". Fuel oils of grade No. 4, 5 and 6 as specified in detailed requirements for fuel oils A.S.T.M. D-396-69 (1971).

"Restricted Area". The area within the boundaries of any "municipality" as defined in the Illinois Municipal Code, plus a zone extending one mile beyond the boundaries of any such municipality having a population of 1000 or more

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according to the latest federal census.

"Ringelmann Chart". The chart published and described in the Bureau of Mines, U.S. Department of Interior, Information Circular 8333 (Revision of IC7718) May 1, 1967, or any adaptation thereof which has been approved by the Agency.

"Roadway". Any street, highway, road, alley, sidewalk, parking lot, airport, rail bed or terminal, bikeway, pedestrian mall or other structure used for transportation purposes.

"Roll Printing". The application of words, designs and pictures to a substrate usually by means of a series of hard rubber or metal rolls each with only partial coverage.

"Retogravure Printing". The application of words, designs and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is recessed relative to the non-image area.

"Safety Relief Valve". A valve which is normally closed and which is designed to open in order to relieve excessive pressures within a vessel or pipe.

"Sandblasting". The use of a mixture of sand and air at high pressures for cleaning and/or polishing any type of surface.

"Screening". Separating material according to size by pressing undersized material through one or more mesh surfaces (screens) in series, and retaining oversized material on the mesh surfaces (screens).

"Sensor". A device that measures a physical quantity or the change in a physical quantity such as temperature, pressure, flow rate, pH, or liquid level.

"Set of Safety Relief Valves". One or more safety relief valves designed to open in order to relieve excessive pressures in the same vessel or pipe.

"Sheet Basecoat". A coating applied to metal when the metal is in sheet form to serve as either the exterior or interior of a can for either two piece or three piece cans.

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"Startup". The setting in operation of an emission source for any purpose.

"Stationary Emission Source". An emission source which is not self-propelled.

"Stationary Storage Tank". Any container of liquid or gas which is designed and constructed to remain at one site.

"Submerged Loading Pipe". Any loading pipe the discharge opening of which is entirely submerged when the liquid level is 6 inches above the bottom of the tank. When applied to a tank which is loaded from the side, any loading pipe the discharge of which is entirely submerged when the liquid level is 18 inches or two times the loading pipe diameter, whichever is greater, above the bottom of the tank. The definition shall also apply to any loading pipe which is continuously submerged during loading operations.

"Sulfuric Acid Mist". Sulfuric acid mist as measured according to the method specified in 35 Ill. Adm. Code 214.101(b).

"Surface Condenser". A device which removes a substance from a gas stream by reducing the temperature of the stream without direct contact between the coolant and the stream.

"Synthetic Organic Chemical or Polymer Manufacturing Plant". A plant that produces, as intermediates or final products, one or more of the chemicals or polymers listed in 35 Ill. Adm. Code 215. Appendix D.

"Tablet Coating Operation". A pharmaceutical coating operation in which tablets are coated.

"Top Coat". A film of coating material applied in a multiple coat operation other than the prime coat, final repair coat or prime-surface coat.

"Transfer Efficiency". Ratio of the amount of coating deposited onto a part or product to the total amount of coating solids used.

"Tread End Cementing". The application of a solvent-based cement to the tire tread ends.

"Vapor Pressure". The equilibrium partial pressure exerted by a petroleum liquid as determined in accordance

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"Shotblasting". The use of a mixture of any metallic or non-metallic substance and air at high pressures for cleaning and/or polishing any type of surface.

"Side Seam Spray Coat". A coating applied to the seam of a three-piece can.

"Smoke". Small gas-borne particles resulting from incomplete combustion, consisting predominately but not exclusively of carbon, ash and other combustible material, that form a visible plume in the air.

"Smokeless Flame". A combustion unit and the stack to which it is affixed in which organic material achieves combustion by burning in the atmosphere such that the smoke or other particulate matter emitted to the atmosphere from such combustion does not have an appearance density or shade darker than No. 1 of the Ringlemann Chart.

"Solvent Cleaning". The process of cleaning soils from surfaces by cold cleaning, open top vapor degreasing or conveyerized degreasing.

"Specialty High Gloss Catalyzed Coating". Commercial contract finishing of material prepared for printers and lithographers where the finishing process uses a solvent-borne coating, formulated with a catalyst, in a quantity of no more than 12,000 gallons/year as supplied, where the coating machines are sheet fed and the coated sheets are brought to a minimum surface temperature of 190° F., and where the coated sheets are to achieve the minimum specular reflectance index of 65 measured at a 60 degree angle with a gloss meter.

"Splash Loading". A method of loading a tank, railroad tank car, tank truck or trailer by use of other than a submerged loading pipe.

"Stack". A flue or conduit, free-standing or with exhaust port above the roof of the building on which it is mounted, by which air contaminants are emitted into the atmosphere.

"Standard Conditions". A temperature of 70° F and a pressure of 14.7 pounds per square inch absolute (psia).

"Standard Cubic Foot (scf)". The volume of one cubic foot of gas at standard conditions.

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"with methods described in American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating Roof Tanks" (1962)."

"Turnaround": The procedure of shutting down an operating refinery unit, emptying gaseous and liquid contents to do inspection, maintenance and repair work, and putting the unit back into production.

"Undertread Cementing": The application of a solvent-based cement to the underside of a tire tread.

"Unregulated Safety Relief Valve": A safety relief valve which cannot be actuated by a means other than high pressure in the pipe or vessel which it protects.

"Vacuum Producing System": Any reciprocating, rotary or centrifugal blower or compressor, or any jet ejector or device that creates suction from a pressure below atmospheric and discharges against a greater pressure.

"Valves Not Externally Regulated": Valves that have no external controls, such as in-line check valves.

"Vapor Balance System": Any combination of pipes or hoses which creates a closed system between the vapor spaces of an unloading tank and a receiving tank such that vapors displaced from the receiving tank are transferred to the tank being unloaded.

"Vapor Collection System": All piping, seals, hoses, connections, pressure vacuum vents, and other possible sources between the gasoline delivery vessel and the vapor processing unit and/or the storage tanks and vapor holder.

"Vapor Control System": Any system that prevents release to the atmosphere of organic material in the vapors displaced from a tank during the transfer of gasoline.

"Vapor Mounted Primary Seal": A primary seal mounted with an air space bounded by the bottom of the primary seal, the tank wall, the liquid surface and the floating roof.

"Vinyl Coating": The application of a topcoat or printing to vinyl coated fabric or vinyl sheets; provided, however, that the application of an organosol or plastisol is not vinyl coating.

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"Volatile Organic Liquid": Any liquid which contains volatile organic material.

"Volatile Organic Material": Any organic compound which participates in atmospheric photochemical reactions unless specifically exempted from this definition. For purposes of determining compliance with emission limits, volatile organic material shall be measured by the reference test methods incorporated by reference in 35 Ill. Adm. Code 215.105. Where such a method also inadvertently measures compounds with negligible photochemical reactivity, an owner or operator may exclude these negligibly reactive compounds.

For purposes of this definition, the following organic compounds have been determined to have negligible photochemical reactivity and are not volatile organic materials:

Chlorodifluoroethane (HCFC-142b)
 Chlorodifluoromethane (CFC-22)
 Chloropentafluoroethane (CFC-115)
 2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)
 Dichlorodifluoromethane (CFC-12)
 Dichlorofluoroethane (HCFC-141b)
 Dichloromethane (Methylene chloride)
 Dichlorotetrafluoroethane (CFC-114)
 Dichlorotrifluoroethane (HCFC-123)
 1,1-Difluoroethane (HFC-152a)
 Ethane
 Methane
 Pentafluoroethane (HFC-125)
 Tetrafluoroethane (HFC-134a)
 1,1,2,2-Tetrafluoroethane (HFC-134)
 Trichloroethane (Methyl chloroform)
 1,1,1-Trichloroethane (Methyl chloroform)
 Trichlorofluoromethane (CFC-11)
 Trichlorotrifluoroethane (CFC-113)
 Trifluoromethane (FC-23)

and the following classes of compounds:

Cyclic, branched, or linear, completely fluorinated alkanes.

Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations.

Cyclic, branched, or linear, completely fluorinated

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tertiary amines with no unsaturations.

Sulphur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

BOARD NOTE: USEPA or the Agency may require monitoring to demonstrate the amount of an exempted compound in a source's emissions on a case-by-case basis as a pre-condition to exemption of that compound under certain circumstances, such as where VOMs and exempted compounds are mixed together, there are a large number of exempted compounds, or the chemical composition of the exempted compounds is not known. See 35 Ill. Adm. Code 215.108, 56 Fed. Reg. 11419-20.

"Volatile Organic Material Content" or "VOMC": the emissions of volatile organic material which would result from the exposure of a coating, printing ink, fountain solution, tire spray, dry cleaning waste or other similar material to the air, including any drying or curing, in the absence of any control equipment. VOMC is typically expressed as kilogram (kg) VOM/liter (lb VOM/gallon) of coating or coating solids, or kg VOM/kg (lb VOM/lb) of coating solids, or coating material or material.

"Volatile Petroleum Liquid": Any petroleum liquid with a true vapor pressure that is greater than 1.5 psia (78 millimeters of mercury) at standard conditions.

"Wastewater (Oil/Water) Separator": Any device or piece of equipment which utilizes the difference in density between oil and water to remove oil and associated chemicals of water, or any device, such as a flocculation tank or a clarifier, which removes petroleum derived compounds from waste water.

"Weak Nitric Acid Manufacturing Process": Any acid producing facility manufacturing nitric acid with a concentration of less than 70 percent by weight.

"Woodworking": The shaping, sawing, grinding, smoothing, polishing and making into products of any form or shape of wood.

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 211.110 Accelacota

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"Accelacota" means a pharmaceutical coating operation which consists of a horizontally rotating perforated drum in which tablets are placed, a coating is applied by spraying, and the coating is dried by the flow of air across the drum through the perforations.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.150 Accumulator

"Accumulator" means the reservoir of a condensing unit receiving the condensate from a surface condenser.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.170 Acid Gases

"Acid gases" means, for the purposes of Section 9.4 of the Environmental Protection Act (the Act) (Ill. Rev. Stat. 1991, ch. 111, par. 1009.4) [415 ILCS 5/9.4], hydrogen chloride, hydrogen fluoride and hydrogen bromide, which exist as gases, liquid mist, or any combination thereof.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.210 Actual Heat Input

"Actual heat input" means the quantity of heat produced by the combustion of fuel using the gross heating value of the fuel.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.230 Adhesive

"Adhesive" means any substance or mixture of substances intended to serve as a joining compound.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.250 Aeration

"Aeration" means the practice of forcing air through bulk stored grain to maintain the condition of the grain.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.290 Afterburner

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"Afterburner" means a control device in which materials in gaseous effluent are combusted.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.310 Air Contaminant

"Air contaminant" means any solid, liquid, or gaseous matter, any odor, or any form of energy, that is capable of being released into the atmosphere.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.330 Air Dried Coatings

"Air dried coatings" means any coatings that dry by use of air or forced air at temperatures up to 363.15°K (194°F).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.350 Air Oxidation Process

"Air oxidation process" means any unit process including ammoxidation and oxychlorination which uses air or a combination of air and oxygen as an oxidant in combination with one or more organic reactants to produce one or more organic compounds.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.370 Air Pollutant

"Air pollutant" means an air pollution agent or combination of such agents, including any physical, chemical, biological, radioactive (including source material, special nuclear material, and byproduct material) substance or matter which is emitted into or otherwise enters the atmosphere. Such term includes any precursors to the formation of any air pollutant, to the extent that the relevant statute or rule has identified such precursor or precursors for particular purpose for which the term "air pollutant" is used.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.390 Air Pollution

"Air pollution" means the presence in the atmosphere of one or more air contaminants in sufficient quantities and of such characteristics and duration as to be injurious to human, plant,

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or animal life, to health, or to property, or to unreasonably interfere with the enjoyment of life or property.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.410 Air Pollution Control Equipment

"Air pollution control equipment" means any equipment or apparatus of a type intended to eliminate, prevent, reduce or control the emission of air contaminants to the atmosphere.

(Board Note: The requirements to obtain permits for air pollution control equipment, in 35 Ill. Adm. Code 201.Subpart C, apply to such equipment intended to eliminate, prevent, reduce or control the emissions of specified air contaminants from stationary emission units.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.430 Air Suspension Coater/Dryer

"Air suspension coater/dryer" means a pharmaceutical coating operation which consists of vertical chambers in which tablets or particles are placed, and a coating is applied and then dried while the tablets or particles are kept in a fluidized state by the passage of air upward through the chambers.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.450 Airless Spray

"Airless spray" means a spray coating method in which the coating is atomized by forcing it through a small opening at high pressure. The coating liquid is not mixed with air before exiting from the nozzle.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.470 Air Assisted Airless Spray

"Air assisted airless spray" means a spray coating method which combines compressed air with hydraulic pressure to atomize the coating material into finer droplets than is achieved with pure airless spray. Lower hydraulic pressure is used than with airless spray.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.490 Annual Grain Through-Put

Section 211.590 Asphalt Prime Coat

"Annual grain through-put" unless otherwise shown by the owner or operator, annual grain through-put for grain-handling operations, which have been in operation for three consecutive years prior to June 30, 1975, shall be determined by adding grain receipts and shipments for the three previous fiscal years and dividing the total by 6. The annual grain through-put for grain-handling operations in operation for less than three consecutive years prior to June 30, 1975, shall be determined by a reasonable three-year estimate; the owner or operator shall document the reasonableness of his three-year estimate.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.510 Application Area

Section 211.630

"Application area" means an area where a coating is applied by dipping, spraying or other techniques.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Automobile or Light-Duty Truck Assembly Source
or Automobile or Light-Duty Truck Manufacturing
Plant

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.530 Architectural Coating

"Architectural coating" means any coating used for residential or commercial buildings or their appurtenances, or for industrial buildings, which is site applied.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.550 As Applied

"As applied" means the formulation of a coating during application on or impregnation into a substrate, including any dilution solvents or thinners added at the source before application of the coating.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.570 Asphalt

"Asphalt" means the dark-brown to black cementitious material (solid, semi-solid, or liquid in consistency) of which the main constituents are bitumens which occur naturally or as a residue of petroleum refining.

(Source: Added at ___ Ill. Reg. ___, effective ___)

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.690 Batch Loading

"Batch loading" means, with respect to solvent cleaning, the process of loading a number of individual parts at the same time for degreasing.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.710 Bead-Dipping

"Bead-dipping" means the dipping of an assembled tire bead into a solvent-based cement.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.730 Binders

"Binders" means organic materials and resins which do not contain VOM.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.750 British Thermal Unit

"British Thermal Unit" means the quantity of heat required to raise one pound of water from 60°F to 61°F (abbreviated btu).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.770 Brush or Wipe Coating

"Brush or wipe coating" means a manual method of applying a coating using a brush, cloth, or similar object.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.790 Bulk Gasoline Plant

- a) "Bulk gasoline plant" means, for purposes of 35 Ill. Adm. Code 215, any gasoline storage and distribution source that receives gasoline from bulk gasoline terminals by delivery vessels and distributes gasoline to gasoline dispensing operations.

- b) "Bulk gasoline plant" means, for purposes of 35 Ill. Adm. Code 218 and 219, a gasoline storage and distribution source with an average throughput of 76,000 l (20,000 gal) or less on a 30-day rolling average that distributes gasoline to gasoline dispensing operations.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.810 Bulk Gasoline Terminal

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"Bulk gasoline terminal" means any gasoline storage and distribution source that receives gasoline by pipeline, ship or barge, and distributes gasoline to bulk gasoline plants or gasoline dispensing operations.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.830 Can

"Can" means any cylindrical single walled metal container, with or without a top, cover, spout or handles, with walls thinner than 29 gauge (0.0141 inch) into which solid or liquid materials may be packaged.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.850 Can Coating

"Can coating" means any protective, decorative or functional coating applied onto the surface of a can or a metal sheet or metal part which is made into a can.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.870 Can Coating Line

"Can coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of a can or a metal sheet or metal part which is made into a can.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.890 Capture

"Capture" means the containment or recovery of emissions from an emission unit for direction into a duct which may be exhausted through a stack or vent to a control device. The overall abatement of emissions from an emission unit with an add-on control device is a function both of the capture efficiency and of the control device efficiency.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.910 Capture Device

"Capture device" means a hood, enclosed room, floor sweep or other means of collecting volatile organic material or other air contaminants into a duct. The pollutant can then be directed to

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a pollution control device such as an afterburner, carbon adsorber, fabric filter or scrubber. Sometimes the term is used loosely to include the control device.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.930 Capture Efficiency

"Capture efficiency" means, for purposes of 35 Ill. Adm. Code 218 and 219, the weight of VOM entering a capture system and delivered to a control device divided by the weight of VOM generated by an emission unit, during a particular time period, expressed as a percentage.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.950 Capture System

"Capture system" means all equipment (including, but not limited to, hoods, ducts, fans, ovens, dryers, etc.) used to contain, collect and transport an air contaminant to a control device.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.970

Certified Investigation

"Certified investigation" means a report signed by Illinois Environmental Protection Agency (Agency) personnel certifying whether a grain-handling operation (or portion thereof) or grain-drying operation is causing or tending to cause air pollution. Such report must describe the signatory's investigation, including a summary of those facts on which the signatory relies to certify whether the grain-handling or grain-drying operation is causing or threatening or allowing the discharge or emission of any contaminant into the environment so as to cause or tend to cause air pollution in Illinois, either alone or in combination with contaminants from other sources, or so as to violate regulations or standards adopted by the Pollution Control Board (Board) under the Environmental Protection Act (Act). The certified investigation shall be open to a reasonable public inspection and may be copied upon payment of the actual cost of reproducing the original.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.990 Choke Loading

"Choke loading" means that method of transferring grain from the

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grain-handling operation to any vehicle for shipment or delivery which precludes a free fall velocity of grain from a discharge spout into the receiving container.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1010 Clean Air Act

"Clean Air Act" means the Clean Air Act Amendments of 1970 (42 U.S.C. §7401 et seq.), as amended in 1977 and 1990.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1050 Cleaning and Separating Operation

"Cleaning and separating operation" means that operation where foreign and undesired substances are removed from the grain.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1090 Clear Coating

"Clear coating" means coatings that lack color and opacity or are transparent using the undercoat as a reflectant base or undertone color.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1110 Clear Topcoat

"Clear topcoat" means the final coating which contains binders, but not opaque pigments, and is specifically formulated to form a transparent or translucent solid protective film.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1130 Closed Purge System

"Closed purge system" means a system that is not open to the atmosphere and that is composed of piping, connections, and, if necessary, flow inducing devices that transport liquid or vapor from a piece or pieces of equipment to a control device, or return the liquid or vapor to the process line.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1150 Closed Vent System

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"Closed vent system" means a system that is not open to the atmosphere and is composed of piping, connections, and, if necessary, flow inducing devices that transport gas or vapor from a piece or pieces of equipment to a control device.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1170 Coal Refuse

"Coal refuse" means waste products of coal mining, cleaning and coal preparation operations containing coal, matrix material, clay and other organic and inorganic material.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1190 Coating

a) "Coating" means, for purposes of 35 Ill. Adm. Code 215, a material applied to a substrate for decorative, protective or other functional purposes. Such material shall include, but are not limited to paints, varnishes, sealers, adhesives, diluents and thinners.

b) "Coating" means, for purposes of 35 Ill. Adm. Code 218 and 219, a material applied onto or impregnated into a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, sealers, adhesives, thinners, diluents, and inks.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1210 Coating Applicator

"Coating applicator" means equipment used to apply a coating.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1230 Coating Line

a) "Coating line" means, for purposes of 35 Ill. Adm. Code 215, an operation where a surface coating is applied to a material and subsequently the coating is dried and/or cured.

b) "Coating line" means, for purposes of 35 Ill. Adm. Code 218 and 219, an operation consisting of a series of one or more coating applicators and any associated

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flash-off areas, drying areas, and ovens wherein a coating is applied, dried, and/or cured. A coating line ends at the point where the coating is dried or cured, or prior to any subsequent application of a different coating. It is not necessary for an operation to have an oven or a flash-off area in order to be included in this definition.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1250 Coating Plant

"Coating plant" means any building, structure or installation that contains a coating line and which is located on one or more contiguous or adjacent properties and which is owned or operated by the same person (or by persons under common control).

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1270 Coil Coating

"Coil coating" means any protective, decorative or functional coating which is applied onto any flat metal sheet or strip which is delivered to the coating line as a roll or coil, unwound and coated as a continuous substrate.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1290 Coil Coating Line

"Coil coating line" means a coating line in which any protective, decorative or functional coating is applied onto any flat metal sheet or strip which is delivered to the coating line as a roll or coil, unwound and coated as a continuous substrate.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1310 Cold Cleaning

"Cold cleaning" means the process of cleaning and removing soils from surfaces by spraying, brushing, flushing, or immersion while maintaining the organic solvent below its boiling point. Wipe cleaning is not included in this definition.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1330 Complete Combustion

"Complete combustion" means a process in which all carbon contained in a fuel or gas stream is converted to carbon dioxide.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1350 Component

"Component" means any piece of equipment which has the potential to leak volatile organic material (VOM) including, but not limited to, pump seals, compressor seals, seal oil degassing vents, pipeline valves, pressure relief devices, process drains, and open ended valves and lines, and flanges. For purposes of Subparts Q and R in 35 Ill. Adm. Code 215, 218 and 219, this definition excludes valves which are not externally regulated, flanges, and equipment in heavy liquid service. For purposes of Subpart Q of 35 Ill. Adm. Code 215, 218 and 219, this definition also excludes bleed ports of gear pumps in polymer service.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1370 Concrete Curing Compounds

"Concrete curing compounds" means any coating applied to freshly poured concrete to retard the evaporation of water.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1390 Concentrated Nitric Acid Manufacturing Process

"Concentrated nitric acid manufacturing process" means any acid producing facility manufacturing nitric acid with a concentration equal to or greater than 70 percent by weight.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1410 Condensate

"Condensate" means volatile organic liquid separated from its associated gases, which condenses due to changes in the temperature or pressure and remains liquid at standard conditions.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1430 Condensible PM-10

"Condensible PM-10" means PM-10 formed immediately or shortly after discharge to the atmosphere, as measured by the applicable

test method specified in 35 Ill. Adm. Code 212.110. Condensible particulate matter exists in gaseous and/or vapor form prior to release to the atmosphere, e.g., in the stack, and forms particulate matter upon condensation when subject to conditions of cooling and dilution in the atmosphere.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1470 Continuous Process

"Continuous process" means, with respect to manufacture of polystyrene resin, a method of manufacture in which the styrene raw material is delivered on a continuous basis to the reactor in which the styrene is polymerized to polystyrene.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1490 Control Device

"Control device" means equipment (such as an afterburner, adsorber, fabric filter or scrubber) used to remove or prevent the emission of an air contaminant from a contaminated exhaust stream.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1510 Control Device Efficiency

"Control device efficiency" means, for purposes of 35 Ill. Adm. Code 218 and 219, the weight of VOM generated by an emission unit which is destroyed or removed by a control device, divided by the weight of VOM generated by such unit entering the control device, during a particular time period, expressed as a percentage.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1530 Conventional Soybean Crushing Source

"Conventional soybean crushing source" means any hexane extraction soybean crushing equipment that uses direct contact steam for desolventizing and producing toasted soy meals.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1550 Conveyorized Degreasing

"Conveyorized degreasing" means the continuous process of

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cleaning and removing soils from surfaces utilizing either cold or vaporized solvents.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1570 Crude Oil

"Crude oil" means a naturally occurring mixture which consists of hydrocarbons and sulfur, nitrogen, or oxygen derivatives of hydrocarbons and which is a liquid at standard conditions.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1590 Crude Oil Gathering

"Crude oil gathering" means the transportation of crude oil or condensate after custody transfer between a production site and a reception point.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1610 Crushing

"Crushing" means the fragmentation of non-metallic minerals by a machine such as a jaw, gyratory, cone, roll, rod, mill, hammermill, and impactor.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1630 Custody Transfer

"Custody transfer" means the transfer of produced petroleum and/or condensate after processing and/or treating in the producing operations, from storage tanks or automatic transfer systems to pipelines or any other forms of transportation.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1650 Cutback Asphalt

"Cutback asphalt" means any asphalt which has been liquified by blending with petroleum solvents other than residual fuel oil and has not been emulsified with water.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1670 Daily-Weighted Average VOM Content

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"Daily-weighted average VOM content" means the average VOM content of two or more coatings as applied on a coating line during any day, taking into account the fraction of total coating volume that each coating represents, as calculated with the following equation:

$$VOM_w = \frac{\sum_{i=1}^n V_i C_i}{V_T}$$

where:

VOM_w = The average VOM content of two or more coatings as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

n = The number of different coatings as applied each day on a coating line.

V_i = The volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of l (gal).

C_i = The VOM content of each coating as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM), and

V_T = The total volume of all coatings (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of l (gal).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1690 Day

"Day" means the consecutive 24 hours beginning at 12:00 AM (midnight) local time.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.1710 Degreaser

"Degreaser" means any equipment or system used in solvent cleaning.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1730 Delivery Vessel

"Delivery vessel" means any tank truck or trailer equipped with a storage tank that is used for the transport of gasoline to a stationary storage tank at a gasoline dispensing operation, bulk gasoline plant, or bulk gasoline terminal.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1750 Dip Coating

"Dip coating" means a method of applying coatings in which the part is submerged in a tank filled with the coating.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1770 Distillate Fuel Oil

"Distillate fuel oil" means fuel oils of grade No. 1 or 2 as specified in detailed requirements for fuel oil ASTM D-369-69 (1971) incorporated by reference in 35 Ill. Adm. Code 218.112 and 219.112.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1790 Drum

"Drum" means any cylindrical shipping container of 13 to 110-gallon capacity.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1810 Dry Cleaning Operation or Dry Cleaning Facility

"Dry cleaning operation" or "dry cleaning facility" means the cleaning of fabrics using an essentially nonaqueous solvent by means of one or more solvent washes, extraction of excess solvent by spinning and drying by tumbling in an airstream. The dry cleaning operation or facility includes, but is not limited to, washers, dryers, filter and purification systems, waste disposal

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systems, holding tanks, pumps and attendant piping and valves.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1830 Dump-Pit Area

"Dump-pit area" means any area where grain is received at a grain-handling or grain-drying operation.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1850 Effective Grate Area

"Effective grate area" means that area of a dump-pit grate through which air passes, or would pass, when aspirated.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1870 Effluent Water Separator

"Effluent water separator" means any tank, box, sump or other apparatus in which any organic material floating on or entrained or contained in water entering such tank, box, sump or other apparatus is physically separated and removed from such water prior to outfall, drainage or recovery of such water.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1890 Electrostatic Bell or Disc Spray

"Electrostatic bell or disc spray" means an electrostatic spray coating method in which a rapidly-spinning bell- or disc-shaped applicator is used to create a fine mist and apply the coating with high transfer efficiency.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1910 Electrostatic Spray

"Electrostatic spray" means a spray coating method in which opposite electrical charges are applied to the substrate and the coating. The coating is attracted to the object due to the electrostatic potential between them.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.1930 Emission Rate

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"Emission rate" means, if not otherwise stated in a specific provision, the total quantity of a particular specified air contaminant discharged into the atmosphere in any one-hour period. For example, if not otherwise specified in 35 Ill. Adm. Code 218 or 219, emission rate means the total quantity of volatile organic material discharged into the atmosphere in any one-hour period.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1950 Emission Unit

"Emission unit" means any part or activity at a stationary source that emits or has the potential to emit any air pollutant.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1970 Enamel

"Enamel" means a coating that cures by chemical cross-linking of its base resin. Enamels can be distinguished from lacquers because enamels are not readily resolvable in their original solvent.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.1990 Enclose

"Enclose" means, for purpose of 35 Ill. Adm. Code 215.481(c), 215.482(b), 218.481(c), 218.482(b), 219.481(c) and 219.482(b), to cover any volatile organic liquid surface that is exposed to the atmosphere.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2010 End Sealing Compound Coat

"End sealing compound coat" means a can coating applied to can ends which functions as a gasket when the end is assembled onto the can.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2050 Ethanol Blend Gasoline

"Ethanol blend gasoline" means a mixture of gasoline and at least 9% ethanol by volume.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2070 Excess Air

"Excess air" means air supplied in addition to the theoretical quantity necessary for complete combustion of all fuel and/or combustible waste material.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2090 Excessive Release

"Excessive release" means, for purposes of 35 Ill. Adm. Code 215.144, 218.144 and 219.144, a discharge of more than 295 g (0.65 lbs) of mercaptans and/or hydrogen sulfide into the atmosphere in any 5-minute period.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2110 Existing Grain-Drying Operation

"Existing grain-drying operation" means any grain-drying operation the construction or modification of which was commenced prior to June 30, 1975.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2130 Existing Grain-Handling Operation

"Existing grain-handling operation" means any grain-handling operation the construction or modification of which was commenced prior to June 30, 1975.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2150 Exterior Base Coat

"Exterior base coat" means a can coating applied to the exterior of a two-piece can body to provide protection to the metal or to provide background for any lithographic or printing operation.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2170 Exterior End Coat

"Exterior end coat" means a can coating applied to the exterior end of a can to provide protection to the metal.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2190 External Floating Roof

"External floating roof" means a cover over an open top storage tank consisting of a double deck or pontoon single deck which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2210 Extreme Performance Coating

"Extreme performance coating" means any coating which during intended use is exposed to any or all of the following: ambient weather conditions; temperatures consistently above 95°C (203°F); detergents; abrasive and scouring agents; solvents; or corrosive atmospheres.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2230 Fabric Coating

"Fabric coating" means any protective, decorative or functional coating which is applied onto or impregnated into a textile fabric which is delivered to the coating line as a roll, unwound and coated as a continuous substrate.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2250 Fabric Coating Line

"Fabric coating line" means a coating line in which any protective, decorative, or functional coating is applied onto or impregnated into a textile fabric which is delivered to the coating line as a roll, unwound and coated as a continuous substrate.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2270 Federally Enforceable Limitations and Conditions

"Federally enforceable limitations and conditions" means all limitations and conditions which are enforceable by the Administrator of the USEPA, including those requirements developed pursuant to 40 CFR Parts 60 and 61; requirements within

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any applicable implementation plan; and any permit requirements established pursuant to 40 CFR 52.21 or 40 CFR 52.737 or under regulations approved pursuant to 40 CFR Part 51 Subpart I, 40 CFR 51.166 and 40 CFR Part 70.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2310 Final Repair Coat

"Final repair coat" means, with respect to automobile or light-duty truck assembly or manufacturing, a coating which is used to repaint topcoat which is damaged during vehicle assembly.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2330 Firebox

"Firebox" means the chamber or compartment of a boiler or furnace in which materials are burned, but not the combustion chamber or afterburner of an incinerator.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2350 Fixed-Roof Tank

"Fixed-roof tank" means a cylindrical shell with a permanently affixed roof.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2370 Flexographic Printing

"Flexographic printing" means a roll printing technique in which the pattern to be applied is raised above the printing roll and the image carrier is made of rubber or other elastomeric materials.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2390 Flexographic Printing Line

"Flexographic printing line" means a printing line performing flexographic printing.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2410 Floating Roof

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"Floating roof" means a roof on a stationary tank, reservoir, or other container which moves vertically upon change in volume of the stored material.

(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2430 Fountain Solution

"Fountain solution" means the solution used in certain methods of printing which is applied to the image plate to maintain hydrophilic properties of the non-image areas.

(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2450 Freeboard Height

"Freeboard height" means, for open top vapor degreasers, the distance from the top of the vapor zone to the top of the degreaser tank, and for cold cleaning degreasers, the distance from the solvent to the top of the degreaser tank.

(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2470 Fuel Combustion Emission Unit or Fuel Combustion Emission Source

"Fuel combustion emission unit" or "Fuel combustion emission source" means any furnace, boiler, or similar equipment used for the primary purpose of producing heat or power by indirect heat transfer.

(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2490 Fugitive Particulate Matter

"Fugitive particulate matter" means any particulate matter emitted into the atmosphere other than through a stack, provided that nothing in this definition or in 35 Ill. Adm. Code 212, Subpart K shall exempt any emission unit from compliance with other provisions of 35 Ill. Adm. Code 212 otherwise applicable merely because of the absence of a stack.

(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2510 Full Operating Flowrate

"Full operating flowrate" means maximum operating capacity of the source, emission unit or process unit, as applicable.

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(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2530 Gas Service

"Gas service" means that the equipment or component contains process fluid that is in the gaseous state at operating conditions.

(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2550 Gas/Gas Method

"Gas/gas method" means either of two methods for determining VOM capture efficiency which rely only on gas phase measurements. The first method requires construction of a temporary total enclosure (TTE) to ensure that all would-be fugitive emissions are measured. The second method uses the building or room which houses the coating line, printing line or other emission unit as an enclosure. The second method requires that all other VOM lines or emission units within the room be shut down while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2570 Gasoline

"Gasoline" means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kPa or greater which is used as a fuel for internal combustion engines.

(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2590 Gasoline Dispensing Operation or Gasoline Dispensing Facility

"Gasoline dispensing operation" or "Gasoline dispensing facility" means any site where gasoline is transferred from a stationary storage tank to a motor vehicle gasoline tank used to provide fuel to the engine of that motor vehicle.

(Source: Added at ___ Ill. Reg. ___, effective _____)

Section 211.2650 Grain

"Grain" means the whole kernel or seed of corn, wheat, oats, soybeans and any other cereal or oil seed plant and the normal

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finer, dust and foreign matter which results from harvesting, handling or conditioning. The grain shall be unaltered by grinding or processing.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2670 Grain-Drying Operation

"Grain-drying operation" means any operation, excluding aeration, by which moisture is removed from grain and which typically uses forced ventilation with the addition of heat.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2690 Grain-Handling and Conditioning Operation

"Grain-handling and conditioning operation" means a grain storage facility and its associated grain transfer, cleaning, drying, grinding and mixing operations.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2710 Grain-Handling Operation

"Grain-handling operation" means any operation where one or more of the following grain-related processes (other than grain-drying operation, portable grain-handling equipment, one-turn storage space, and excluding flour mills and feed mills) are performed: receiving, shipping, transferring, storing, mixing or treating of grain or other processes pursuant to normal grain operations.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2730 Green-Tire Spraying

"Green tire spraying" means the spraying of green tires, both inside and outside, with release compounds which help remove air from the tire during molding and prevent the tire from sticking to the mold after curing.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2750 Green Tires

"Green tires" means assembled tires before molding and curing have occurred.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.2770 Gross Heating Value

"Gross heating value" means amount of heat produced when a unit quantity of fuel is burned to carbon dioxide and water vapor, and the water vapor condensed as described in A.S.T.M. D2015-66, D900-55, D1826-64 and D240-64 incorporated by reference in Section 211.101 of this Part.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2790 Gross Vehicle Weight Rating

"Gross vehicle weight rating" means the value specified by the manufacturer as the maximum design loaded weight of a single vehicle.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2810 Heated Airless Spray

"Heated airless spray" means an airless spray coating method in which the coating is heated just prior to application.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2830 Heatset

"Heatset" means a class of lithography which requires a heated dryer to solidify the printing inks.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2850 Heatset-Web-Offset Lithographic Printing Line

"Heatset-web-offset lithographic printing line" means a lithographic printing line in which a blanket cylinder is used to transfer ink from a plate cylinder to a substrate continuously fed from a roll or an extension process and an oven is used to solidify the printing inks.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.2870 Heavy Liquid

"Heavy liquid" means liquid with a true vapor pressure of less than 0.3 kPa (0.04 psi) at 294.3°K (70°F) established in a standard reference test or as determined by ASTM method D2879-86 (incorporated by reference in 35 Ill. Adm. Code 218.112 and

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219.112); or which has 0.1 Reid Vapor Pressure as determined by ASTM method D323-82 (incorporated by reference in 35 Ill. Adm. Code 215.105, 218.112 and 219.112); or which when distilled requires a temperature of 421.95°K (300°F) or greater to recover 10 percent of the liquid as determined by ASTM method D86-82 (incorporated by reference in 35 Ill. Adm. Code 215.105, 218.112 and 219.112).

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.2890 Heavy Metals

"Heavy metals" means, for the purposes of Section 9.4 of the Act, elemental, ionic, or combined forms of arsenic, cadmium, mercury, chromium, nickel and lead.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.2910 Heavy Off-Highway Vehicle Products

"Heavy off-highway vehicle products" means heavy construction, mining, farming, or material handling equipment; heavy industrial engines; diesel-electric locomotives and associated power generation equipment; and the constituent parts of such equipment or engines.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.2930 Heavy Off-Highway Vehicle Products Coating

"Heavy off-highway vehicle products coating" means any protective, decorative or functional coating applied onto the surface of heavy off-highway vehicle products. However, a high temperature aluminum coating to a diesel-electric locomotive in Cook County is not a heavy off-highway vehicle products coating.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.2950 Heavy Off-Highway Vehicle Products Coating Line

"Heavy off-highway vehicle products coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of heavy off-highway vehicle products. However, application of a high temperature aluminum coating to a diesel-electric locomotive in Cook County is not a heavy off-highway vehicle products coating line or part of a heavy off-highway vehicle products coating line.

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(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.2970 High Temperature Aluminum Coating

"High temperature aluminum coating" means a coating that is certified to withstand a temperature of 537.8°C (1000°F) for 24 hours.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.2990 High Volume Low Pressure (HVLP) Spray

"High volume low pressure (HVLP) spray" means equipment used to apply coatings by means of a spray gun which operates between 0.1 and 10 psig air pressure.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.3010 Hood

"Hood" means a partial enclosure or canopy for capturing and exhausting, by means of a draft, the organic vapors or other fumes produced from a coating line, printing line or other emission unit.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.3030 Hot Well

"Hot well" means the reservoir of a condensing unit receiving the condensate from a barometric condenser.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.3050 Housekeeping Practices

"Housekeeping practices" means those activities specifically defined in the list of housekeeping practices developed by the Joint EPA - Industry Task Force and included herein under 35 Ill. Adm. Code 212.461.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.3070 In-Process Tank

"In-process tank" means, with respect to manufacture of pharmaceuticals, a container used for mixing, blending, heating, reacting, holding, crystallizing, evaporating or cleaning

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operations.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3090 In-Situ Sampling Systems

"In-situ sampling systems" means nonextractive samplers or in-line samplers.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3110 Incinerator

"Incinerator" means a combustion apparatus in which refuse is burned.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3130 Indirect Heat Transfer

"Indirect heat transfer" means transfer of heat in such a way that the source of heat does not come into direct contact with process materials.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3150 Ink

"Ink" means a coating used in printing, impressing, or transferring words, pictures, designs or other images onto a substrate.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3170 Interior Body Spray Coat

"Interior body spray coat" means a can coating applied by spray to the interior of a can body.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3190 Internal-Floating Roof

"Internal-floating roof" means a cover or roof in a fixed-roof tank which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

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(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3210 Internal Transferring Area

"Internal transferring area" means areas and associated equipment used for conveying grain among the various grain operations.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3230 Lacquers

"Lacquers" means, with respect to coating of wood furniture, any clear wood finishes formulated with nitrocellulose or synthetic resins to dry by evaporation without chemical reaction, including clear lacquer sanding sealers.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3250 Large Appliance

"Large appliance" means any residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dishwashers, trash compactors, air conditioners, and other similar products.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3270 Large Appliance Coating

"Large appliance coating" means any protective, decorative or functional coating applied onto the surface of large appliances or to the constituent metal parts (including, but not limited to, doors, cases, lids, panels, and interior support parts) of large appliances.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3290 Large Appliance Coating Line

"Large appliance coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of large appliances or to the constituent metal parts (including but not limited to doors, cases, lids, panels and interior parts) of large appliances.

(Source: Added at ___ Ill. Reg. ____, effective _____)

Section 211.3310 Light Liquid

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"Light liquid" means VOM in the liquid state which is not defined as heavy liquid.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3330 Light-Duty Truck

"Light-duty truck" means any motor vehicle with a gross vehicle weight rating of 3,850 kg or less, designed mainly to transport property.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3350 Light Oil

"Light oil" means a liquid condensed or absorbed from coke oven gas composed of benzene, toluene, and xylene.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3370 Liquid/Gas Method

"Liquid/gas method" means either of two methods for determining VOM capture efficiency which require both gas phase and liquid phase measurements and analysis. The first method requires construction of a temporary total enclosure (TTE) to ensure that all would-be fugitive emissions are measured. The second method uses the building or room which houses the coating line, printing line or other emission unit as an enclosure. The second method requires that all other VOM lines or emission units within the room be shut down while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3390 Liquid-Mounted Seal

"Liquid-mounted seal" means a primary seal mounted in continuous contact with the liquid between the tank wall and the floating roof edge around the circumference of the roof.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3410 Liquid Service

"Liquid service" means that the equipment or component contains process fluid that is in a liquid state at operating conditions.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3430 Liquids Dripping

"Liquids dripping" means any visible leaking from a seal including spraying, misting, clouding and ice formation.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3450 Lithographic Printing Line

"Lithographic printing line" means a web or sheetfed printing line in which each roll printer uses a roll where both the image and non-image areas are essentially in the same plane (planographic).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3470 Load-Out Area

"Load-out area" means any area where grain is transferred from the grain-handling operation to any vehicle for shipment or delivery.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3490 Low Solvent Coating

"Low solvent coating" means a coating which contains less organic solvent than the conventional coatings used by the industry. Low solvent coatings include water-borne, higher solids, electro-deposition and powder coatings.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3510 Magnet Wire

"Magnet wire" means aluminum or copper wire which may subsequently be used in an electromagnetic device.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3530 Magnet Wire Coating

"Magnet wire coating" means any electrically insulating varnish or enamel or other protective, decorative or functional coating applied onto the surface of magnet wire.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3550 Magnet Wire Coating Line

"Magnet wire coating line" means a coating line in which any electrically insulating varnish or enamel or other protective, decorative, or functional coating is applied onto the surface of magnet wire.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3570 Major Dump Pit

"Major dump pit" means any dump pit with an annual grain through-put of more than 300,000 bushels, or which receives more than 40% of the annual grain through-put of the grain-handling operation.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3590 Major Metropolitan Area (MMA)

"Major Metropolitan Area (MMA)" means any county or group of counties which is defined by the following Table:

MAJOR METROPOLITAN AREAS IN ILLINOIS (MMA's)

MMA COUNTIES INCLUDED IN MMA

Champaign-Urbana Chicago	Champaign Cook, Lake, Will, DuPage, McHenry, Kane, Grundy, Kendall, Kankakee Macon
Decatur	Peoria, Tazewell
Peoria	Winnebago
Rockford	Rock Island
Rock Island - Moline	Sangamon
Springfield	St. Clair, Madison
St. Louis (Illinois)	McLean
Bloomington - Normal	

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3610 Major Population Area (MPA)

"Major Population Area (MPA)" means areas of major population concentration in Illinois, as described below:

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The area within the counties of Cook; Lake; DuPage; Will; the townships of Burton, Richmond, McHenry, Greenwood, Nunda, Door, Algonquin, Grafton and the municipality of Woodstock, plus a zone extending two miles beyond the boundary of said municipality located in McHenry County; the townships of Dundee, Rutland, Elgin, Plato, St. Charles, Campton, Geneva, Blackberry, Patavia, Sugar Creek and Aurora located in Kane County; and the municipalities of Kankakee, Bradley and Bourbonnais, plus a zone extending two miles beyond the boundaries of said municipalities in Kankakee County.

The area within the municipalities of Rockford and Loves Park, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Rock Island, Moline, East Moline, Carbon Cliff, Milan, Oak Grove, Silvis, Hampton, Greenwood and Coal Valley, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Galesburg and East Galesburg, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Bartonville, Peoria and Peoria Heights, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Pekin, North Pekin, Marquette Heights, Creve Coeur and East Peoria, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Bloomington and Normal, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Champaign, Urbana and Savoy, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Decatur, Mt. Zion, Harriestown and Forsyth, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the municipalities of Springfield,

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Leland Grove, Jerome, Southern View, Grandview, Sherman and Chatham, plus a zone extending two miles beyond the boundaries of said municipalities.

The area within the townships of Godfrey, Foster, Wood River, Fort Russell, Chouteau, Edwardsville, Venice, Nameoki, Alton, Granite City and Collinsville located in Madison County; and the townships of Stites, Canteen, Centreville, Caseville, St. Clair, Sugar Loaf and Stookey located in St. Clair County.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3630

Manufacturing Process

"Manufacturing process" means a method whereby a process emission unit or series of process emission units is used to convert raw materials, feed stocks, subassemblies, or other constituent parts into a product, either for sale or for use in a subsequent manufacturing process.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3650

Marine Terminal

"Marine terminal" means a facility primarily engaged in loading and unloading watercraft.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3670

Material Recovery Section

"Material recovery section" means, with respect to manufacture of polystyrene resin, any equipment designed to transport and recover styrene monomer and other impurities from other products and by-products in a polystyrene plant, including but not limited to the styrene devolatilizer unit and styrene recovery unit.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3690

Maximum Theoretical Emissions

"Maximum theoretical emissions" means the quantity of volatile organic material emissions that theoretically could be emitted by a stationary source before add-on controls based on the design capacity or maximum production capacity of the source and 8760 hours per year. The design capacity or maximum production capacity includes use of coating(s) or ink(s) with the highest

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volatile organic material content actually used in practice by the source, provided, however, the Agency shall, when appropriate, and upon request by the permit applicant, limit the "maximum theoretical emissions" of a source by the imposition of conditions in a federally enforceable operating permit for such source. Such conditions shall not be inconsistent with requirements of the Clean Air Act, as amended, or any applicable requirements established by the Board. Such conditions shall be established in place of design capacity or maximum production capacity in calculating the "maximum theoretical emissions" for such source and may include, among other things, the establishment of production limitations, capacity limitations, or limitations on the volatile organic material content of coatings or inks, or the hours of operation of any emission unit, or a combination of any such limitations. Production or capacity limitations shall be established on a basis of no longer than one month except in those cases where a limit spanning a longer period of time is appropriate. In such cases, a limit or limitation must not exceed an annual limit rolled on a basis of at most a month; that is, for example, a monthly production or a capacity level must be determined for each parameter subject to a production or capacity limitation and added to the eleven prior monthly levels for monthly comparison with the annual limit. Any production or capacity limitations shall be verified through appropriate recordkeeping.

(Board Note: The USEPA may deem operating permits which do not conform to the operating permit program requirements and the requirements of USEPA's underlying regulations, including the requirement that limitations be quantifiable and enforceable as a practical matter, not "federally enforceable.")

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3710

Metal Furniture

"Metal furniture" means a furniture piece including, but not limited to, tables, chairs, waste baskets, beds, desks, lockers, benches, shelving, file cabinets, lamps, and room dividers made in whole or in part of metal.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3730

Metal Furniture Coating

"Metal furniture coating" means any protective, decorative or functional coating applied onto the surface of any metal furniture or any metal part which will be assembled with other

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metal, wood, fabric, plastic or glass parts to form metal furniture. However, an adhesive is not a metal furniture coating.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.3750 Metal Furniture Coating Line

"Metal furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of any metal furniture or any metal part which will be assembled with other metal, wood, fabric or glass parts to form metal furniture. However, application of an adhesive is not a metal furniture coating line or part of a metal furniture coating line.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.3770 Metallic Shoe-Type Seal

"Metallic shoe-type seal" means a primary or secondary seal constructed of metal sheets (shoes) which are joined together to form a ring, springs or levers which attach the shoes to the floating roof and hold the shoes against the tank wall, and a coated membrane which is suspended from the shoes to the floating roof.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.3790 Miscellaneous Fabricated Product Manufacturing Process

"Miscellaneous fabricated product manufacturing process" means:

A manufacturing process involving one or more of the following applications, including any drying and curing of formulations, and capable of emitting VOM:

Adhesives to fabricate or assemble parts or products;

Asphalt solutions to paper or fiberboard;

Asphalt to paper or felt;

Coatings or dye to leather;

Coatings to plastic;

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Coatings to rubber or glass;

Disinfectant material to manufactured items;

Plastic foam scrap or "fluff" from the manufacture of foam containers and packaging material to form resin pellets;

Resin solutions to fiber substances;

Rubber solutions to molds or

Viscose solutions for food casings.

The storage and handling of formulations associated with the process described above and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition would be included.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.3810 Miscellaneous Formulation Manufacturing Process

"Miscellaneous formulation manufacturing process" means:

A manufacturing process which compounds one or more of the following and is capable of emitting VOM:

Adhesives;

Asphalt solutions;

Caulks, sealants, or waterproofing agents;

Coatings, other than paint and ink;

Concrete curing compounds;

Dyes;

Friction materials and compounds;

Resin solutions;

Rubber solutions or

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Viscose solutions.

The storage and handling of formulations associated with the process described above, and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition would be included.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3830 Miscellaneous Metal Parts and Products

"Miscellaneous metal parts and products" for the purpose of 35 Ill. Adm. Code 215. Subpart F, shall include farm machinery, garden machinery, small appliances, commercial machinery, industrial machinery, fabricated metal products and any other industrial category in which metal parts or products under the Standard Industrial Classification Code for Major Groups 33, 34, 35, 36, 37, 38 or 39 are coated, with the exception of the following: coating lines subject to 35 Ill. Adm. Code 215.204(a) through (i) and (k), architectural coatings, automobile or light-duty truck refinishing, the exterior of marine vessels and the customized top coating of automobiles and trucks if production is less than thirty-five vehicles per day.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3850 Miscellaneous Metal Parts and Products Coating

"Miscellaneous metal parts and products coating" means, for purposes of 35 Ill. Adm. Code 218 and 219, any protective, decorative or functional coating applied onto the surface of any metal part or metal product, even if attached to or combined with a nonmetal part or product.

a) Including but not limited to underbody anti-chip (e.g., underbody plastisol) automobile and light-duty truck coatings;

b) But not including the following coatings which are subject to separate regulations: can coatings, coil coatings, metal furniture coatings, large appliance coatings, magnet wire coatings, and prime coat, primer surfacer coat, topcoat and final repair coat for automobile and light-duty trucks; and

c) Not including the following coatings: architectural

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coatings, automobile or light-duty truck refinishing coatings, coatings applied to the exterior of marine vessels, coatings applied to the exterior of airplanes, customized topcoat for automobiles and trucks if production is less than 35 vehicles per day, and high temperature aluminum coating applied to diesel-electric locomotives in Cook County.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3870 Miscellaneous Metal Parts or Products Coating Line

"Miscellaneous metal parts or products coating line" means, for purposes of 35 Ill. Adm. Code 218 and 219, a coating line in which any protective, decorative, or functional coating is applied onto the surface of any metal part or metal product, even if attached to or combined with a nonmetal part or product;

a) Including but not limited to underbody anti-chip (e.g., underbody plastisol) automobile and light-duty truck coatings;

b) But not including the following coatings which are subject to separate regulations: can coatings, coil coatings, metal furniture coatings, large appliance coatings, magnet wire coatings, and prime coat, primer surfacer coat, topcoat and final repair coat for automobile and light-duty trucks; and

c) Not including the following coatings: architectural coatings, automobile or light-duty truck refinishing coatings, coatings applied to the exterior of marine vessels, coatings applied to the exterior of airplanes, customized topcoat for automobiles and trucks if production is less than 35 vehicles per day, and high temperature aluminum coating applied to diesel-electric locomotives in Cook County.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3890 Miscellaneous Organic Chemical Manufacturing Process

"Miscellaneous organic chemical manufacturing process" means:

A manufacturing process which produces, by chemical reaction, one or more of the following organic

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compounds or mixtures of organic compounds and which is capable of emitting volatile organic material (VOM):

Chemicals listed in Appendix A of 35 Ill. Adm. Code 215, 218 or 219, as applicable;

Chlorinated and sulfonated compounds;

Cosmetic, detergent, soap, or surfactant intermediaries or specialties and products;

Disinfectants;

Food additives;

Oil and petroleum product additives;

Plasticizers;

Resins or polymers;

Rubber additives;

Sweeteners or

Varnishes.

The storage and handling of formulations associated with the process described above and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition would be included.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3910 Mixing Operation

"Mixing operation" means the operation of combining two or more ingredients, of which at least one is a grain.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3930 Monitor

"Monitor" means to measure and record.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.3970 Multiple Package Coating

"Multiple package coating" means a coating made from more than one different ingredient which must be mixed prior to using and has a limited pot life due to the chemical reaction which occurs upon mixing.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.3990 New Grain-Drying Operation

"New grain-drying operation" means any grain-drying operation the construction or modification of which commenced on or after June 30, 1975.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4010 New Grain-Handling Operation

"New grain-handling operation" means any grain-handling operation the construction or modification of which commenced on or after June 30, 1975.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4030 No Detectable Volatile Organic Material Emissions

"No detectable volatile organic material emissions" means a discharge of volatile organic material into the atmosphere as indicated by an instrument reading of less than 500 ppm above background as determined in accordance with 40 CFR 60.485(c) (incorporated by reference in 35 Ill. Adm. Code 215.105, 218.112, and 219.112).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4050 Non-contact Process Water Cooling Tower

"Non-contact process water cooling tower" means a towerlike device in which water is cooled by contact with atmospheric air and evaporation, where such water has been or will be used for cooling of a process stream where VOM is present without intentional direct contact of the cooling water and process stream.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.4070 Offset

"Offset" means, with respect to printing, use of a blanket cylinder to transfer ink from the plate cylinder to the surface to be printed.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.4090 One Hundred Percent Acid

"One hundred percent acid" means, with respect to sulfuric and nitric acids, acid with a specific gravity of 1.8205 at 30° C in the case of sulfuric acid and 1.4952 at 30° C in the case of nitric acid.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.4110 One-Turn Storage Space

"One-turn storage space" means that space used to store grain with a total annual through-put not in excess of the total bushel storage of that space.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.4130 Opacity

"Opacity" means a condition which renders material partially or wholly impervious to transmittance of light and causes obstruction of an observer's view. For the purposes of these regulations, the following equivalence between opacity and Ringelmann shall be employed:

<u>Opacity Percent</u>	<u>Ringelmann</u>
<u>10</u>	<u>0.5</u>
<u>20</u>	<u>1.</u>
<u>30</u>	<u>1.5</u>
<u>40</u>	<u>2.</u>
<u>60</u>	<u>3.</u>
<u>80</u>	<u>4.</u>
<u>100</u>	<u>5.</u>

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.4150 Opaque Stains

"Opaque stains" means all stains that are not semi-transparent

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stains.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.4170 Open Top Vapor Degreasing

"Open top vapor degreasing" means the batch process of cleaning and removing soils from surfaces by condensing hot solvent vapor on the colder metal parts.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.4190 Open-Ended Valve

"Open-ended valve" means any valve, except pressure relief devices, having one side of the valve in contact with process fluid and one side open to the atmosphere, either directly or through open piping.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.4210 Operator of a Gasoline Dispensing Operation or Operator of a Gasoline Dispensing Facility

"Operator of gasoline dispensing operation" or "Operator of a gasoline dispensing facility" means any person who is the lessee of or operates, controls or supervises a gasoline dispensing operation or a gasoline dispensing facility.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.4230 Organic Compound

"Organic compound" means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.4250 Organic Material and Organic Materials

- a) "Organic materials" means, for the purposes of Section 9.4 of the Act, any chemical compound of carbon, including diluents and thinners which are liquids at standard conditions and which are used as dissolvers, viscosity reducers or cleaning agents, including polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans and polynuclear aromatic hydrocarbons but

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excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbonic acid, metallic carbide, metallic carbonates and ammonium carbonate are not organic materials.

- b1 "Organic material" means, for the purpose of 35 Ill. Adm. Code 215, 218 and 219, any chemical compound of carbon including diluents and thinners which are liquids at standard conditions and which are used as dissolvers, viscosity reducers, or cleaning agents, but excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbonic acid, metallic carbide, metallic carbonates, and ammonium carbonate.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4270 Organic Vapor

"Organic vapor" means the gaseous phase of an organic material or a mixture of organic materials present in the atmosphere.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4290 Oven

"Oven" means, with respect to a coating line or printing line, a chamber within which heat is used for one or more of the following purposes: dry, bake, cure, or polymerize a coating or ink.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4310 Overall Control

"Overall control" means the product of the capture efficiency and the control device efficiency.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4330 Overvarnish

"Overvarnish" means a transparent coating applied directly over ink or coating.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4350 Owner of a Gasoline Dispensing Operation or

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Owner of a Gasoline Dispensing Facility

"Owner of a gasoline dispensing operation" or "Owner of a gasoline dispensing facility" means any person who has legal or equitable title to a stationary storage tank at a gasoline dispensing operation.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4370 Owner or Operator

"Owner or operator" means any person who owns, operates, leases, controls, or supervises a source, an emission unit or air pollution control equipment.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4390 Packaging Rotogravure Printing

"Packaging rotogravure printing" means rotogravure printing upon paper, paper board, metal foil, plastic film, and other substrates, which are, in subsequent operations, formed into packaging products or labels for articles to be sold.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4410 Packaging Rotogravure Printing Line

"Packaging rotogravure printing line" means a rotogravure printing line performing packaging rotogravure printing.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4430 Pail

"Pail" means any cylindrical shipping container of 1 to 12-gallon capacity and constructed of 29-gauge and heavier material.

(Source: Added at ___ Ill. Reg. ___, effective ___)
 Section 211.4450 Paint Manufacturing Source or Paint Manufacturing Plant

"Paint manufacturing source" or "Paint manufacturing plant" means a source that mixes, blends, or compounds enamels, lacquers, sealers, shellacs, stains, varnishes, or pigmented surface coatings.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4470 Paper Coating

"Paper coating" means any protective, decorative or functional coating applied on paper, plastic film, or metallic foil to make certain products, including but not limited to adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper, or pressure sensitive tapes. For purposes of 35 Ill. Adm. Code 218 and 219, paper coating includes coatings applied by impregnation or saturation.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4490 Paper Coating Line

"Paper coating line" means a coating line in which any protective, decorative, or functional coating is applied on, saturated into, or impregnated into paper, plastic film, or metallic foil to make certain products, including but not limited to adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper and pressure sensitive tapes. For purposes of 35 Ill. Adm. Code 218 and 219, a paper coating line includes saturation or impregnation.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4510 Particulate Matter

"Particulate matter" means any solid or liquid material, other than water, which exists in finely divided form.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4530 Parts Per Million (Volume) or PPM (Vol)

"Parts per million (volume)" or "ppm (vol)" means a volume/volume ratio which expresses the volumetric concentration of gaseous air contaminant in a million unit volume of gas.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4550 Person

"Person" means any individual; corporation; partnership; firm; association; trust; estate; public or private institution; group; state; municipality; political subdivision of a state; any agency, department, or instrumentality of the United States; and

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any officer, agent, or employee of any of the above.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4590 Petroleum

"Petroleum" means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4610 Petroleum Liquid

"Petroleum liquid" means crude oil, condensate or any finished or intermediate product manufactured at a petroleum refinery, but not including Number 2 through Number 6 fuel oils as specified in ASTM D-396-69 (incorporated by reference in 35 Ill. Adm. Code 218.112 and 219.112), gas turbine fuel oils Numbers 2-GT through 4-GT as specified in ASTM D-2880-71 (incorporated by reference in Sections 218.112 and 219.112) or diesel fuel oils Numbers 2-D and 4-D, as specified in ASTM D-975-68 (incorporated by reference in 35 Ill. Adm. Code 218.112 and 219.112).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4630 Petroleum Refinery

"Petroleum refinery" means any source engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation of petroleum, or through redistillation, cracking, or reforming of unfinished petroleum derivatives.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4650 Pharmaceutical

"Pharmaceutical" means any compound or mixture, other than food, used in the prevention, diagnosis, alleviation, treatment, or cure of disease in human and animal.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4670 Pharmaceutical Coating Operation

"Pharmaceutical coating operation" means a device in which a coating is applied to a pharmaceutical, including air drying or curing of the coating.

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two-digit code) as described in the "Standard Industrial Classification Manual," 1987 (incorporated by reference in 35 Ill. Adm. Code 218.112 and 219.112).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4750 Plasticizers

"Plasticizers" means substances added to a polymer composition to soften and add flexibility to the product.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4770 PM-10

"PM-10" means particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers, as measured by the applicable test methods specified by rule. Ambient air concentrations for PM-10 are usually expressed in micrograms per cubic meter (ug/m³).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4790 Pneumatic Rubber Tire Manufacture

"Pneumatic rubber tire manufacture" means the production of pneumatic rubber tires with a bead diameter up to but not including 20.0 inches and cross section dimension up to 12.8 inches, but not including specialty tires for antique or other vehicles when produced on equipment separate from normal production lines for passenger or truck type tires.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4810 Polybasic Organic Acid Partial Oxidation Manufacturing Process

"Polybasic organic acid partial oxidation manufacturing process" means any process involving partial oxidation of hydrocarbons with air to manufacture polybasic acids or their anhydrides, such as maleic anhydride, phthalic anhydride, terephthalic acid, isophthalic acid, trimellitic anhydride.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4870 Polystyrene Plant

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Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4690 Photochemically Reactive Material

"Photochemically reactive material" means any organic material which an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified below or the composition of which exceeds any of the following individual percentage composition limitations. Whenever any photochemically reactive material or any constituent of any organic material may be classified from its chemical structure into more than one of the above groups of organic materials, it shall be considered as a member of the most reactive group, that is, the group having the least allowable percent of the total organic materials.

A combination of hydrocarbons, alcohols, aldehydes, esters, ethers or ketones having an olefinic or cyclo-olefinic types of unsaturation: 5 percent. This definition does not apply to perchloroethylene or trichloroethylene.

A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.

A combination of ethylbenzene, ketones having branched hydrocarbon structures or toluene: 20 percent.

Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4710 Pigmented Coatings

"Pigmented coatings" means opaque coatings containing binders and colored pigments which are formulated to conceal the wood surface whether as an undercoat or topcoat.

Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4730 Plant

"Plant" means, for purposes other than 35 Ill. Adm. Code 215.218 and 219, all of the pollutant-emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control), except the activities of any marine vessel. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same major group (1.e., which have the same

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"Polystyrene plant" means any plant using styrene to manufacture polystyrene resin.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4890 Polystyrene Resin

"Polystyrene resin" means a substance consisting of styrene polymer and additives which is manufactured at a polystyrene plant.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4910 Portable Grain-Handling Equipment

"Portable grain-handling equipment" means any equipment (excluding portable grain dryers) that is designed and maintained to be movable primarily for use in a non-continuous operation for loading and unloading one-turn storage space and is not physically connected to the grain elevator, provided that the manufacturer's rated capacity of the equipment does not exceed 10,000 bushels per hour.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4930 Portland Cement Manufacturing Process Emission Source

"Portland cement manufacturing process emission source" means any items of process equipment or manufacturing processes used in or associated with the production of portland cement, including, but not limited to, a kiln, clinker cooler, raw mill system, finish mill system, raw material dryer, material storage bin or system, material conveyor belt or other transfer system, material conveyor belt transfer point, bagging operation, bulk unloading station, or bulk loading station.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.4950 Portland Cement Process or Portland Cement Manufacturing Plant

"Portland cement process" or "Portland cement manufacturing plant" means any facility or plant manufacturing portland cement by either the wet or dry process.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.4990 Power Driven Fastener Coating

"Power driven fastener coating" means the coating of nail, staple, brad and finish nail fasteners where such fasteners are fabricated from wire or rod of 0.0254 inch diameter or greater, where such fasteners are bonded into coils or strips, such coils and strips containing a number of such fasteners, which fasteners are manufactured for use in power tools, and which fasteners must conform with formal standards for specific uses established by various federal and national organizations including Federal Specification FF-N-105b of the General Services Administration dated August 23, 1977 (does not include any later amendments or editions; U.S. Army Armament Research and Development Command, Attn: DRDAR-TST, Rock Island, IL 61201), Bulletin UM-25d of the U.S. Department of Housing and Urban Development - Federal Housing Administration dated September 5, 1973 (does not include any later amendments or editions; Department of HUD, 547 W. Jackson Blvd., Room 1005, Chicago, IL 60606), and the Model Building Code of the Council of American Building Officials, and similar standards. For the purposes of this definition, the terms "brad" and "finish nail" refer to single leg fasteners fabricated in the same manner as staples. The application of coatings to staple, brad, and finish nail fasteners may be associated with the incremental forming of such fasteners in a cyclic or repetitious manner (incremental fabrication) or with the forming of strips of such fasteners as a unit from a band of wires (unit fabrication).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5030 Pressure Release

"Pressure release" means the emission of materials resulting from system pressure being greater than set pressure of the pressure relief device.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5050 Pressure Tank

"Pressure tank" means a tank in which fluids are stored at a pressure greater than atmospheric pressure.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5070 Prime Coat

"Prime coat" means the first of two or more coatings applied to a

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substrate in a multiple coat operation.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5090 Primer Surfacer Coat

"Primer surfacer coat" means a coating used to touch up areas on the surface of automobile or light-duty truck bodies not adequately covered by the prime coat before application of the top coat. The primer surfacer coat is applied between the prime coat and topcoat. An anti-chip coating applied to main body parts (e.g., rocker panels, bottom of doors and fenders, and leading edge of roof) is a primer surfacer coat. The primer surfacer coat is also referred to as a "guide coat."

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5110 Primer Surfacer Operation

"Primer surfacer operation" means the application area(s), flashoff area(s) and oven(s) that are used to apply and dry or cure primer surfacer coat on a single assembly line.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5130 Primers

"Primers" means any coatings formulated and applied to substrates to provide a firm bond between the substrate and subsequent coats.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5150 Printing

"Printing" means the application of words, designs, pictures, or other images to a substrate using ink.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5170 Printing Line

"Printing line" means an operation consisting of a series of one or more roll printers and any associated roll coaters, drying areas, and ovens wherein one or more coatings are applied, dried, and/or cured.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.5185 Process Emission Source

"Process emission source" means any stationary emission source other than a fuel combustion emission unit or an incinerator.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5190 Process Emission Unit

"Process emission unit" means any stationary emission unit other than a fuel combustion emission unit or an incinerator.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5210 Process Unit

"Process unit" means equipment and components assembled to produce, as intermediate or final products, one or more chemicals. A process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product. For purposes of Subpart Q of Parts 215, 218 and 219, a process unit must produce one or more of the chemicals listed in Appendix A of 35 Ill. Adm. Code 215, 218 or 219, as applicable.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5230 Process Unit Shutdown

"Process unit shutdown" means a work practice or operational procedure that stops production from a process unit or part of a process unit. An unscheduled work practice or operational procedure that stops production from a process unit or part of a process unit for less than 24 hours is not a process unit shutdown. The use of spare equipment and components technically feasible bypassing of equipment and components without stopping production is not a process unit shutdown.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5250 Process Weight Rate

"Process weight rate" means the actual weight or engineering approximation thereof of all materials except liquid and gaseous fuels and combustion air introduced into any process per hour. For a cyclical or batch operation, the process weight rate shall be determined by dividing such actual weight or engineering approximation thereof by the number of hours of operation

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excluding any time during which the equipment is idle. For continuous processes, the process weight rate shall be determined by dividing such actual weight or engineering approximation thereof by the number of hours in one complete operation, excluding any time during which the equipment is idle.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5270 Production Equipment Exhaust System

"Production equipment exhaust system" means a system for collecting and directing into the atmosphere emissions of volatile organic material from reactors, centrifuges, and other process emission units.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5310 Publication Rotogravure Printing Line

"Publication rotogravure printing line" means a rotogravure printing line printing upon paper which is subsequently formed into books, magazines, catalogues, brochures, directories, newspaper supplements or other types of non-packaging printed materials.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5330 Purged Process Fluid

"Purged process fluid" means liquid or vapor from a process unit that contains volatile organic material and that results from flushing or cleaning the sample line(s) of a process unit so that an uncontaminated sample may then be taken for testing or analysis.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5350 Reactor

"Reactor" means a vat, vessel, or other device in which chemical reactions take place.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5370 Reasonably Available Control Technology (RACT)

"Reasonably available control technology (RACT)" means the lowest

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emission limitation that an emission unit is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5410 Refiner

"Refiner" means any person who owns, leases, operates, controls, or supervises a refinery.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5430 Refinery Fuel Gas

"Refinery fuel gas" means any gas which is generated by a petroleum refinery process unit and which is combusted at the refinery, including any gaseous mixture of natural gas and fuel gas.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5450 Refinery Fuel Gas System

"Refinery fuel gas system" means a system for collection of refinery fuel gas including, but not limited to, piping for collecting tail gas from various process units, mixing drums and controls, and distribution piping.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5470 Refinery Unit or Refinery Process Unit

"Refinery unit" or "Refinery process unit" means a set of equipment which are a part of a basic process operation such as distillation, hydrotreating, cracking, or reforming of hydrocarbons.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5490 Refrigerated Condenser

"Refrigerated condenser" means a surface condenser in which the coolant supplied to the condenser has been cooled by a mechanical device, other than by a cooling tower or evaporative spray cooling, such as refrigeration unit or steam chiller unit.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.5510 Reid Vapor Pressure

"Reid vapor pressure" means the absolute vapor pressure of volatile crude oil and volatile nonviscous petroleum liquids except liquified petroleum gases as determined by the method referenced in the Section where the term is used or by ASTM D223-89 (if not referenced in the Section where the term is used), incorporated by reference in 35 Ill. Adm. Code 218.112 and 219.112.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5550 Repair Coat

"Repair coat" means, with respect to coating wood furniture, coatings used to correct imperfections or damage to furniture surface.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5570 Repaired

"Repaired" means, for the purpose of Subpart Q of 35 Ill. Adm. Code 215, 218 and 219, that equipment or a component has been adjusted, or otherwise altered, to eliminate a leak.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5590 Residual Fuel Oil

"Residual fuel oil" means fuel oils of grade No. 4, 5 and 6 as specified in detailed requirements for fuel oils A.S.T.M. D-396-69 (1971) incorporated by reference in 35 Ill. Adm. Code 218.112 and 219.112.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5610 Restricted Area

"Restricted area" means the area within the boundaries of any "municipality" as defined in the Illinois Municipal Code, plus a zone extending one mile beyond the boundaries of any such municipality having a population of 1000 or more according to the latest federal census.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5630 Retail Outlet

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"Retail outlet" means any gasoline dispensing operation at which gasoline is sold or offered for sale for use in motor vehicles.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5650 Ringelmann Chart

"Ringelmann chart" means the chart published and described in the Bureau of Mines, U.S. Department of Interior, Information Circular 8333 (Revision of IC7718) May 1, 1967, or any adaptation thereof which has been approved by the Agency.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5670 Roadway

"Roadway" means any street, highway, road, alley, sidewalk, parking lot, airport, rail bed or terminal, bikeway, pedestrian mall or other structure used for transportation purposes.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5690 Roll Coater

"Roll coater" means an apparatus used for roll coating.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5710 Roll Coating

"Roll coating" means a method of applying a coating to a moving substrate by means of rotating hard rubber, elastomeric or metal rolls.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5730 Roll Printer

"Roll printer" means an apparatus used for roll printing.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5750 Roll Printing

"Roll printing" means the method of printing by means of a series of rolls, usually of hard rubber or metal, each with only partial coverage.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5770 Rotogravure Printing

"Rotogravure printing" means roll printing in which the pattern to be applied is recessed in the roll relative to the non-image area.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5790 Rotogravure Printing Line

"Rotogravure printing line" means a printing line performing rotogravure printing.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5810 Safety Relief Valve

"Safety relief valve" means a valve which is normally closed and which is designed to open in order to relieve excessive pressures within a vessel or pipe.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5830 Sandblasting

"Sandblasting" means the use of a mixture of sand and air at high pressures for cleaning and/or polishing any type of surface.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5850 Sanding Sealers

"Sanding sealers" means any coatings formulated for and applied to bare wood for sanding and to seal the wood for subsequent application of varnish. To be considered a sanding sealer a coating must be clearly labelled as such.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5870 Screening

"Screening" means separating material according to size by pressing undersized material through one or more mesh surfaces (screens) in series, and retaining oversized material on the mesh surfaces (screens).

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5890 Sealer

"Sealer" means a coating containing binders which seals wood prior to the application of the subsequent coatings.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5910 Semi-Transparent Stains

"Semi-transparent stains" means stains containing dyes or semi-transparent pigments which are formulated to enhance wood grain and change the color of the surface but not to conceal the surface, including, but not limited to, sap stain, toner, non-grain raising stains, pad stain, or spatter stain.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5930 Sensor

"Sensor" means a device that measures a physical quantity or the change in a physical quantity such as temperature, pressure, flow rate, pH, or liquid level.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5950 Set of Safety Relief Valves

"Set of safety relief valves" means one or more safety relief valves designed to open in order to relieve excessive pressures in the same vessel or pipe.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5970 Sheet Basecoat

"Sheet basecoat" means a coating applied to metal when the metal is in sheet form to serve as either the exterior or interior of a can for either two-piece or three-piece cans.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.5990 Shotblasting

"Shotblasting" means the use of a mixture of any metallic or non-metallic substance and air at high pressures for cleaning and/or polishing any type of surface.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6010 Side-Seam Spray Coat

"Side-seam spray coat" means a can coating applied to the seam of a three-piece can.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6030 Smoke

"Smoke" means small gas-borne particles resulting from incomplete combustion, consisting predominately but not exclusively of carbon, ash and other combustible material, that form a visible plume in the air.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6050 Smokeless Flare

"Smokeless flare" means a combustion unit and the stack to which it is affixed in which organic material achieves combustion by burning in the atmosphere such that the smoke or other particulate matter emitted to the atmosphere from such combustion does not have an appearance density or shade darker than No. 1 of the Ringlemann Chart.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6070 Solvent

"Solvent" means a liquid substance that is used to dissolve or dilute another substance. This term includes, but is not limited to organic materials used as dissolvers, viscosity reducers, degreasing agents, or cleaning agents.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6090 Solvent Cleaning

"Solvent cleaning" means the process of cleaning soils from surfaces by cold cleaning, open top vapor degreasing, or conveyorized degreasing.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6130 Source

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"Source" means any stationary source (or any group of stationary sources that are located on one or more contiguous or adjacent properties, and are under common control of the same person or persons under common control) belonging to a single major industrial grouping. For the purposes of defining "source," a stationary source or group of stationary sources shall be considered part of a single industrial grouping if all of the pollutant emitting activities at such source or group of sources on contiguous or adjacent property belong to the same Major Group (i.e., all have the same two-digit code) as described in the Standard Industrial Classification Manual, 1987 (incorporated by reference in 35 Ill. Adm. Code 218.112 and 219.112).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6150 Specialty High Gloss Catalyzed Coating

"Specialty high gloss catalyzed coating" means commercial contract finishing of material prepared for printers and lithographers where the finishing process uses a solvent-borne coating, formulated with a catalyst, in a quantity of no more than 12,000 gallons/year as supplied, where the coating machines are sheet fed and the coated sheets are brought to a minimum surface temperature of 190° F., and where the coated sheets are to achieve the minimum specular reflectance index of 65 measured at a 60 degree angle with a gloss meter.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6190 Specialty Soybean Crushing Source

"Specialty soybean crushing source" means any hexane extraction soybean crushing equipment using indirect steam heat in flash or vapor desolventizers as the primary method of desolventizing and producing specialty solvent extracted soy flakes, grits or flour.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6210 Splash Loading

"Splash loading" means a method of loading a tank, railroad tank car, tank truck, or trailer by use of other than a submerged loading pipe.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6130 Stack

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"Stack" means a flue or conduit, free-standing or with exhaust port above the roof of the building on which it is mounted, by which air contaminants are emitted into the atmosphere.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6270 Standard Conditions

"Standard conditions" means a temperature of 70°F and a pressure of 14.7 psia.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6290 Standard Cubic Foot (scf)

"Standard cubic foot (scf)" means the volume of one cubic foot of gas at standard conditions.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6310 Start-Up

"Start-up" means the setting in operation of an emission unit for any purpose.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6330 Stationary Emission Source

"Stationary emission source" means an emission source which is not self-propelled.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6350 Stationary Emission Unit

"Stationary emission unit" means an emission unit which is not self-propelled.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6370 Stationary Source

"Stationary source" means any building, structure, facility, or installation that emits or may emit any air pollutant.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.6390 Stationary Storage Tank

"Stationary storage tank" means any container of liquid or gas which is designed and constructed to remain at one site.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6410 Storage Tank or Storage Vessel

"Storage tank or storage vessel" means any tank, reservoir or container used for the storage of liquid or gaseous material.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6430 Styrene Devolatilizer Unit

"Styrene devolatilizer unit" means equipment performing the function of separating unreacted styrene monomer and other volatile components from polystyrene in a vacuum devolatilizer.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6450 Styrene Recovery Unit

"Styrene recovery unit" means equipment performing the function of separating styrene monomer from other less volatile components of the styrene devolatilizer unit's output. The separated styrene monomer may be reused as a raw material in the polystyrene plant.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6470 Submerged Loading Pipe

a) "Submerged loading pipe" means, for purposes of 35 Ill. Adm. Code 215, any loading pipe the discharge opening of which is entirely submerged when the liquid level is 6 inches above the bottom of the tank. When applied to a tank which is loaded from the side, any loading pipe the discharge of which is entirely submerged when the liquid level is 18 inches or two times the loading pipe diameter, whichever is greater, above the bottom of the tank. The definition shall also apply to any loading pipe which is continuously submerged during loading operations.

b) "Submerged loading pipe" means, for purposes of 35 Ill. Adm. Code 218 and 219, any discharge pipe or nozzle

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Which meets either of the following conditions:

- 1) Where the tank is filled from the top, the end of the discharge pipe or nozzle must be totally submerged when the liquid level is 15 cm (6 in.) above the bottom of the tank.
- 2) Where the tank is filled from the side, the discharge pipe or nozzle must be totally submerged when the liquid level is 46 cm (18 in.) above the bottom of the tank.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6490 Substrate

"Substrate" means the surface onto which a coating is applied or into which a coating is impregnated.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6510 Sulfuric Acid Mist

"Sulfuric acid mist" means sulfuric acid mist as measured according to the method specified in 35 Ill. Adm. Code 214.101(b).

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6530 Surface Condenser

"Surface condenser" means a device which removes a substance from a gas stream by reducing the temperature of the stream, without direct contact between the coolant and the stream.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6550 Synthetic Organic Chemical or Polymer Manufacturing Plant

"Synthetic organic chemical or polymer manufacturing plant" means a source that produces, as intermediates or final products, chemicals or polymers.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6570 Tablet Coating Operation

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"Tablet coating operation" means a pharmaceutical coating operation in which tablets are coated.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6590 Thirty-Day Rolling Average

"Thirty-day rolling average" means any value arithmetically averaged over any consecutive thirty-days.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6610 Three-Piece Can

"Three-piece can" means a can which is made from a rectangular sheet and two circular ends.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6670 Topcoat

"Topcoat" means a coating applied to a substrate in a multiple coat operation other than prime coat, primer surfacer coat or final repair coat.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6690 Topcoat Operation

"Topcoat operation" means the application area(s), flash-off area(s), and oven(s) used to apply and dry or cure the topcoat (except final off-line repair) on automobile or light-duty truck bodies or body parts on a single assembly line.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6730 Transfer Efficiency

"Transfer efficiency" means the ratio of the amount of coating solids deposited onto a part or product to the total amount of coating solids used, during a particular time period.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.6750 Tread End Cementing

"Tread end cementing" means the application of a solvent-based cement to the tire tread ends.

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(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6770 True Vapor Pressure

"True vapor pressure" means the equilibrium partial pressure exerted by a volatile organic liquid as determined in accordance with methods described in American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating Roof Tanks," second edition, February 1980 (incorporated by reference in 35 Ill. Adm. Code 218.112 and 219.112).

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6790 Turnaround

"Turnaround" means, with respect to a refinery process unit, the procedure of shutting down an operating refinery unit, emptying gaseous and liquid contents to do inspection, maintenance and repair work, and putting the unit back into production.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6810 Two-Piece Can

"Two-piece can" means a can that consists of a body manufactured i.e., drawn, from a single piece of metal and one top or end.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6850 Undertread Cementing

"Undertread cementing" means the application of a solvent-based cement to the underside of a tire tread.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6870 Unregulated Safety Relief Valve

"Unregulated safety relief valve" means a safety relief valve which cannot be actuated by a means other than high pressure in the pipe or vessel which it protects.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6890 Vacuum Producing System

"Vacuum producing system" means any reciprocating, rotary, or centrifugal blower or compressor or any jet ejector or device

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that creates suction from a pressure below atmospheric and discharges against a greater pressure.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6910 Vacuum Service

"Vacuum service" means, for the purpose of Subpart Q of this 35 Ill. Adm. Code 215, 218 and 219, equipment or a component which is operating at an internal pressure that is at least 5 kPa (0.73 psia) below ambient pressure.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6930 Valves Not Externally Regulated

"Valves not externally regulated" means valves that have no provision for external adjustment or governance during their operation, such as in-line check valves.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6950 Vapor Balance System

"Vapor balance system" means any combination of pipes or hoses which creates a closed system between the vapor spaces of an unloading tank and a receiving tank such that vapors displaced from the receiving tank are transferred to the tank being unloaded.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6970 Vapor Collection System

"Vapor collection system" means all piping, seals, hoses, connections, pressure-vacuum vents, and other components between the gasoline delivery vessel and the vapor processing unit and/or the storage tanks and vapor holder.

(Source: Added at ___ Ill. Reg. ____, effective ____)

Section 211.6990 Vapor Control System

"Vapor control system" means any system that limits or prevents release to the atmosphere of organic material in the vapors displaced from a tank during the transfer of gasoline or other volatile organic liquid.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7010 Vapor-Mounted Primary Seal

"Vapor-mounted primary seal" means a primary seal mounted with an air space bounded by the bottom of the primary seal, the tank wall, the liquid surface and the floating roof.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7030 Vapor Recovery System

"Vapor recovery system" means, with respect to a storage tank, storing a volatile organic liquid, a vapor gathering system capable of collecting all volatile organic material (VOM) vapors and gases discharged from the storage tank and a vapor disposal system capable of processing such VOM vapors and gases so as to prevent their emission to the atmosphere.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7070 Vinyl Coating

"Vinyl coating" means any protective, decorative or functional coating or ink applied to vinyl or urethane or vinyl or urethane coated fabric which is delivered to a coating line or printing line as a roll, unwound and coated as a continuous substrate. However, a plastisol is not a vinyl coating.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7090 Vinyl Coating Line

"Vinyl coating line" means a coating line in which any protective, decorative or functional coating or ink is applied onto vinyl or urethane or vinyl or urethane coated fabric which is delivered to a coating line or printing line as a roll, unwound and coated as a continuous substrate. However, application of a plastisol to vinyl or urethane or vinyl or urethane coated fabric is not a vinyl coating line or part of a vinyl coating line.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7110 Volatile Organic Liquid (VOL)

"Volatile organic liquid (VOL)" means any substance which is liquid at storage conditions and which contains volatile organic

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material.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7130 Volatile Organic Material Content (VOMC)

"Volatile organic material content (VOMC)" means, for the purpose of 35 Ill. Adm. Code 215, the emissions of volatile organic material which would result from the exposure of a coating, printing ink, fountain solution, tire spray, dry cleaning waste or other similar material to the air, including any drying or curing, in the absence of any control equipment. VOMC is typically expressed as kilogram (kg) VOM/liter (lb VOM/gallon) of coating or coating solids, or kg VOM/kg (lb VOM/lb) of coating solids, coating or material.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7150

Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)

"Volatile organic material (VOM)" or "volatile organic compound (VOC)" means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions.

a) This includes any such organic compound other than the following, which have been determined to have negligible photochemical reactivity: Methane; ethane; methylene chloride (dichloromethane);

1,1,1-trichloroethane (methyl chloroform);

1,1,1-trichloro-2,2,2-trifluoroethane (CFC-113);

trichlorofluoromethane (CFC-11);

dichlorodifluoromethane (CFC-12);

chlorodifluoromethane (CFC-12);

1,1,1,2-tetrafluoroethane (CFC-114);

1,1,2,2-tetrafluoroethane (CFC-115);

1,1,1,2-tetrafluoroethane (CFC-114);

2-chloro-1,1,1,2-tetrafluoroethane (HCFC-142b);

1,1,1,2-tetrafluoroethane (HCFC-125);

1,1,1,2-tetrafluoroethane (HCFC-124);

1,1,1,2-tetrafluoroethane (HCFC-123);

1,1,1,2-tetrafluoroethane (HCFC-122);

1,1,1,2-tetrafluoroethane (HCFC-121);

1,1,1,2-tetrafluoroethane (HCFC-120);

1,1,1,2-tetrafluoroethane (HCFC-119);

1,1,1,2-tetrafluoroethane (HCFC-118);

1,1,1,2-tetrafluoroethane (HCFC-117);

1,1,1,2-tetrafluoroethane (HCFC-116);

1,1,1,2-tetrafluoroethane (HCFC-115);

1,1,1,2-tetrafluoroethane (HCFC-114);

1,1,1,2-tetrafluoroethane (HCFC-113);

1,1,1,2-tetrafluoroethane (HCFC-112);

1,1,1,2-tetrafluoroethane (HCFC-111);

1,1,1,2-tetrafluoroethane (HCFC-110);

1,1,1,2-tetrafluoroethane (HCFC-109);

1,1,1,2-tetrafluoroethane (HCFC-108);

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fluorinated alkanes:

- 2) Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations:
- 3) Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations:
and
- 4) Sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

b) For purposes of determining VOM emissions and compliance with emissions limits, VOM will be measured by the test methods in the approved implementation plan or 40 CFR Part 60, Appendix A, incorporated by reference at 35 Ill. Adm. Code 215.105, 218.112, and 219.112, as applicable or by source-specific test methods which have been established pursuant to a permit issued pursuant to a program approved or promulgated under Title V of the Clean Air Act or under 40 CFR Part 51, Subpart I or Appendix S, incorporated by reference at 35 Ill. Adm. Code 218.112 and 219.112 or under 40 CFR Part 52.21, incorporated by reference at 35 Ill. Adm. Code 218.112 and 219.112, as applicable. Where such a method also measures compounds with negligible photochemical reactivity, these negligibly-reactive compounds may be excluded as VOM if the amount of such compounds is accurately quantified, and such exclusions is approved by the Agency.

c) As a precondition to excluding these negligibly-reactive compounds as VOM or at any time thereafter, the Agency may require an owner or operator to provide monitoring or testing methods and results demonstrating, to the satisfaction of the Agency, the amount of negligibly-reactive compounds in the source's emissions.

d) The USEPA shall not be bound by any State determination as to appropriate methods for testing or monitoring negligibly-reactive compounds if such determination is not reflected in any of the test methods in subsection (b) above.

(Source: Added at ___ Ill. Reg. ___, effective ___)

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Section 211.7170 Volatile Petroleum Liquid

"Volatile petroleum liquid" means any petroleum liquid with a true vapor pressure that is greater than 1.5 psia (78 millimeters of mercury) at standard conditions.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7190 Wash Coat

"Wash coat" means a coating containing binders which seals wood surfaces, prevents undesired staining, and controls penetration.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7210 Wastewater (Oil/Water) Separator

"Wastewater (oil/water) separator" means any device or piece of equipment which utilizes the difference in density between oil and water to remove oil and associated chemicals from water, or any device, such as a flocculation tank or a clarifier, which removes petroleum derived compounds from waste water.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7230 Weak Nitric Acid Manufacturing Process

"Weak nitric acid manufacturing process" means any acid producing facility manufacturing nitric acid with a concentration of less than 70 percent by weight.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7250 Web

"Web" means a substrate which is coated or printed as a continuous substrate after being unrolled from the roll in which the substrate is delivered to a line.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7270 Wholesale Purchase - Consumer

"Wholesale purchase - consumer" means any person or organization that purchases or obtains gasoline from a supplier for ultimate consumption or use in motor vehicles and receives delivery of gasoline into a storage tank with a capacity of at least 2082 liters (550 gallons) owned and controlled by that person.

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(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7290 Wood Furniture

"Wood furniture" means room furnishings including cabinets (kitchen, bath, and vanity), tables, chairs, beds, sofas, shutters, art objects, wood paneling, wood flooring, and any other coated furnishings made of wood, wood composition, or fabricated wood materials.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7310 Wood Furniture Coating

"Wood furniture coating" means any protective, decorative or functional coating applied to wood furniture or wood furniture parts.

(Source: Added at ___ Ill. Reg. ___, effective ___)

Section 211.7330 Wood Furniture Coating Line

"Wood furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied to wood furniture or wood furniture parts.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 211.7350 Woodworking

"Woodworking" means the shaping, sawing, grinding, smoothing, polishing and making into products of any form or shape of wood.

(Source: Added at ___ Ill. Reg. ___, effective ___)

ILLINOIS REGISTER

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1) Heading of Part: Major Stationary Sources Construction and Modification

2) Code Citation: 35 Ill. Adm. Code 203

3) Section Numbers: Proposed Action:
203.145 Repealed

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, par. 1027 and Section 28.5 of the Environmental Protection Act (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/27 and 28.5].

5) A Complete Description of the Subjects and Issues Involved:
The proposed rule is part of a plan to meet the State's obligation to provide for a federally approvable State Implementation Plan that includes corrections to existing reasonably available control technology rules controlling emissions of volatile organic material in the nonattainment areas as required by the Clean Air Act Amendments of 1990. A more complete description of this rulemaking can be found in the proposal. Copies of the proposal in R93-9 are available for review or copying through the Clerk of the Board.

6) Will this proposed rule replace an emergency rule currently in effect? No

7) Does this rulemaking contain an automatic repeal date? No

8) Does this proposed rule (amendment, repealer) contain incorporations by reference? No

9) Are there any other proposed amendments pending on this Part?

Section Numbers	Proposed Action	Illinois Register Citation
203.107	Amend	16 Ill. Reg. 18919
203.110	Amend	16 Ill. Reg. 18919
203.112	Amend	16 Ill. Reg. 18919
203.121	Renumber, New	16 Ill. Reg. 18919
203.122	Renumber, New	16 Ill. Reg. 18919
203.123	Renumber, New	16 Ill. Reg. 18919
203.126	Amend	16 Ill. Reg. 18919
203.128	Amend	16 Ill. Reg. 18919
203.145	Amend	16 Ill. Reg. 18919
203.150	Amend	16 Ill. Reg. 18919
203.201	Amend	16 Ill. Reg. 18919
203.203	Amend	16 Ill. Reg. 18919

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED ADVERTISEMENTS

203.206 Amend 16 Ill. Reg. 18919
 203.207 Amend 16 Ill. Reg. 18919
 203.208 Amend 16 Ill. Reg. 18919
 203.209 Amend 16 Ill. Reg. 18919
 203.301 Amend 16 Ill. Reg. 18919
 203.302 Amend 16 Ill. Reg. 18919
 203.303 Amend 16 Ill. Reg. 18919
 203.306 Amend 16 Ill. Reg. 18919
 203.801 New Section 16 Ill. Reg. 18919

- 10) Statement of Statewide Policy Objectives: These proposed rules and amendments do not create or enlarge a state mandate as defined in Section 3(b) of the State Mandates Act (Ill. Rev. Stat. 1991, ch. 85, par. 2203(b)) [30 ILCS 805/3(b)].

- 11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Send written comments concerning R93-9 within 45 days of publication in the Illinois Register to:

Clerk of the Pollution Control Board
 100 West Randolph Street
 Suite 11-500
 Chicago, Illinois 60601

and

Nidhi D. Kapoor
 Assistant Counsel
 Illinois Environmental Protection Agency
 Bureau of Air
 P.O. Box 19276
 Springfield, Illinois 62794-9276

All comments should be clearly marked with the docket number R93-9. Additionally, hearings are required to be held in this matter. The first hearing is scheduled for May 7, 1993. For further information on hearings, contact Diane O'Neill, hearing officer at (312) 814-6062.

- 12) Initial Regulatory Flexibility Analysis: These proposed rules are mandated by the Clean Air Act and, therefore, no small business will be affected to degree greater than allowed by federal law. Consequently, a Regulatory Flexibility Analysis is not applicable.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED ADVERTISEMENTS

- A) Date rule was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs: March 26, 1993
- B) Types of small businesses affected: None
- C) Reporting, bookkeeping or other procedures required for compliance: Not applicable.
- D) Types of professional skills necessary for compliance: None

The full text of the Proposed Rule begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE B: AIR POLLUTION

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER a: PERMITS AND GENERAL PROVISIONS

PART 203

MAJOR STATIONARY SOURCES CONSTRUCTION AND MODIFICATION

SUBPART A: GENERAL PROVISIONS

Section	
203.101	Definitions
203.103	Actual Construction
203.104	Actual Emissions
203.107	Allowable Emissions
203.110	Available Growth Margin
203.112	Building, Structure and Facility
203.113	Commence
203.116	Construction
203.117	Dispersion Enhancement Techniques
203.119	Emission Baseline
203.121	Emission Offset
203.122	Emissions Unit
203.123	Federally Enforceable
203.124	Fugitive Emissions
203.125	Installation
203.126	Lowest Achievable Emission Rate
203.127	Nonattainment Area
203.128	Potential to Emit
203.131	Reasonable Further Progress
203.134	Secondary Emissions
203.136	Stationary Source
203.145	Volatile Organic Material (Repealed)
203.150	Public Participation
203.155	Severability (Repealed)

SUBPART B: MAJOR STATIONARY SOURCES IN NONATTAINMENT AREAS

Section	
203.201	Prohibition
203.202	Coordination with Permit Requirement and Application Pursuant to 35 Ill. Adm. Code 203
203.203	Construction Permit Requirement and Application
203.204	Duration of Construction Permit (Repealed)
203.205	Effect of Permits
203.206	Major Stationary Source
203.207	Major Modification of a Source
203.208	Net Emission Determination
203.209	Significant Emissions Determination
203.210	Relaxation of a Source-Specific Limitation

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

203.209 Significant Emissions Determination
203.210 Relaxation of a Source-Specific Limitation
203.211 Permit Exemption Based on Fugitive Emissions

SUBPART C: REQUIREMENTS FOR MAJOR STATIONARY SOURCES IN NONATTAINMENT AREAS

203.301	Lowest Achievable Emission Rate
203.302	Maintenance of Reasonable Further Progress and Emission Offsets
203.303	Baseline and Emission Offsets Determination
203.304	Exceptions from Emissions Offset Requirement (Repealed)
203.305	Compliance by Existing Sources
203.306	Analysis of Alternatives

SUBPART F: OPERATION OF A MAJOR STATIONARY SOURCE OR MAJOR MODIFICATION

Section	
203.601	Lowest Achievable Emission Rate Compliance Requirement
203.602	Emission Offset Maintenance Requirement
203.603	Ambient Monitoring Requirement (Repealed)

SUBPART G: GENERAL MAINTENANCE OF EMISSION OFFSETS

Section	
203.701	General Maintenance of Emission Offsets

SUBPART H: OFFSETS FOR EMISSION INCREASES FROM ROCKET ENGINES AND MOTOR FIRING

Section	
203.801	Offsets for Emission Increases from Rocket Engines and Motor Firing

AUTHORITY: Implementing Section 9.1 and 10 and authorized by Section 27 and 28.5 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1009.1, 1010 and 1027) (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/9.1, 10, 27, and 28.5].

SOURCE: Adopted and codified at 7 Ill. Reg. 9344, effective July 22, 1983; codified at 7 Ill. Reg. 13588; amended in R85-20 at 12 Ill. Reg. 6118, effective March 22, 1988; amended in R91-24 at 16 Ill. Reg. 13551, effective August 24, 1992; amended in R93- at 17 Ill. Reg. _____, effective _____.

POLLUTION CONTROL BOARD

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Section 203.145

Volatile Organic Material (Repealed)

~~volatile organic material" (VOM) means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions.~~

- a) ~~this includes any such organic compound other than the following, which have been determined to have negligible photochemical reactivity: Methane; ethane; methylene chloride (dichloromethane), 1,1,1 trichloroethane (methyl chloroform), 1,1,1 trichloroethane (CFC 113), trichlorofluoromethane (CFC 11), dichlorodifluoromethane (CFC 12), chlorodifluoromethane (CFC 22), trifluoromethane (FC 23), 1,2-dichloro-1,1,2,2-tetrafluoroethane (CFC 114), chloropentafluoroethane (CFC 115), 1,1,1-trifluoro-2,2-dichloroethane (HCFC 123), 1,1,1,2-tetrafluoroethane (HFC 134a), 1,1-dichloro-1-fluoroethane (HCFC 141b), 1-chloro-1,1-difluoroethane (HCFC 142b), 2-chloro-1,1,1,2-tetrafluoroethane (HCFC 124), pentafluoroethane (HFC 125), 1,1,2,2-tetrafluoroethane (HFC 134), 1,1,1-trifluoroethane (HFC 143a), 1,1-difluoroethane (HFC 152a), and perfluorocarbon compounds which fall into these classes:~~

- 1) ~~Cyclic, branched, or linear, completely fluorinated alkanes,~~
- 2) ~~Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations,~~
- 3) ~~Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations, and~~
- 4) ~~Sulfur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluoroine.~~

- b) ~~for purposes of determining VOM emissions and compliance with emissions limits, VOM will be measured by the test methods in the approved implementation plan or 40 CFR Part 60, Appendix A, incorporated by reference at Sections 215.105, 218.112, and 219.112, as applicable or by source specific test methods which have been established pursuant to a permit issued pursuant to a program approved or promulgated under~~

POLLUTION CONTROL BOARD

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~~Title V of the Clean Air Act or under 40 CFR Part 51, Subpart I or Appendix G, incorporated by reference at Sections 218.112 and 219.112 or under 40 CFR Part 52.21, incorporated by reference at Sections 218.112 and 219.112, as applicable. Where such a method also measures compounds with negligible photochemical reactivity, these negligibly reactive compounds may be excluded as VOM if the amount of such compounds is accurately quantified, and such exclusions is approved by the Agency.~~

- c) ~~As a precondition to excluding these negligibly reactive compounds as VOM or at any time thereafter, the Agency may require an owner or operator to provide monitoring or testing methods and results demonstrating, to the satisfaction of the Agency, the amount of negligibly reactive compounds in the sources' emissions.~~

- d) ~~The USPPA shall not be bound by any State determination as to appropriate methods for testing or monitoring negligibly reactive compounds if such determination is not reflected in any of the provisions of paragraph (2).~~

(Source: Repealed at ____ Ill. Reg. ____, effective ____)

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED ADVERTISEMENTS

- 1) Heading of Part: Organic Material Emission Standards and Limitations for the Chicago Area
- 2) Code Citation: 35 Ill. Adm. Code 218
- 3) Section Numbers:
- | | |
|---------|-------------------|
| 218.100 | Proposed Action: |
| 218.101 | Amended |
| 218.102 | Repealed, Adopted |
| 218.103 | Amended |
| 218.104 | Amended |
| 218.105 | Amended |
| 218.106 | Amended |
| 218.107 | Amended |
| 218.109 | Amended |
| 218.110 | Amended |
| 218.111 | Amended |
| 218.112 | Amended |
| 218.121 | Amended |
| 218.122 | Amended |
| 218.123 | Amended |
| 218.124 | Amended |
| 218.125 | Repealed |
| 218.126 | Amended |
| 218.141 | Amended |
| 218.143 | Amended |
| 218.144 | Amended |
| 218.181 | Amended |
| 218.182 | Amended |
| 218.183 | Repealed |
| 218.184 | Amended |
| 218.185 | Amended |
| 218.186 | Amended |
| 218.204 | Amended |
| 218.205 | Amended |
| 218.206 | Amended |
| 218.207 | Amended |
| 218.208 | Amended |
| 218.209 | Amended |
| 218.210 | Amended |
| 218.211 | Amended |
| 218.301 | Amended |
| 218.302 | Amended |
| 218.303 | Amended |
| 218.304 | Amended |
| 218.401 | Amended |
| 218.402 | Amended |
| 218.403 | Amended |
| 218.404 | Amended |
| 218.405 | Amended |
| 218.421 | Amended |
| 218.422 | Amended |
| 218.423 | Amended |
| 218.424 | Amended |
| 218.425 | Amended |
| 218.426 | Amended |
| 218.427 | Amended |
| 218.428 | Amended |
| 218.429 | Repealed |
| 218.430 | Amended |
| 218.441 | Amended |
| 218.443 | Amended |
| 218.445 | Amended |
| 218.446 | Amended |
| 218.447 | Amended |
| 218.449 | Amended |
| 218.450 | Amended |
| 218.452 | Amended |
| 218.453 | Repealed |
| 218.461 | Amended |
| 218.462 | Amended |
| 218.463 | Amended |
| 218.464 | Amended |
| 218.465 | Repealed |
| 218.466 | Amended |
| 218.480 | Amended |
| 218.481 | Amended |
| 218.482 | Amended |
| 218.483 | Amended |
| 218.485 | Amended |
| 218.486 | Amended |
| 218.487 | Amended |
| 218.489 | Repealed |
| 218.521 | Amended |
| 218.522 | Amended |
| 218.523 | Amended |
| 218.527 | Repealed |
| 218.541 | Amended |
| 218.562 | Amended |
| 218.581 | Amended |
| 218.582 | Amended |
| 218.583 | Amended |
| 218.584 | Amended |
| 218.585 | Amended |
| 218.586 | Amended |
| 218.601 | Amended |
| 218.602 | Amended |
| 218.603 | Amended |
| 218.604 | Repealed |
| 218.605 | Amended |
| 218.606 | Amended |
| 218.608 | Amended |
| 218.609 | Amended |
| 218.610 | Amended |
| 218.611 | Amended |

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED ADVERTISEMENTS

- 218.612, 218.613 Repealed
- 218.620, 218.621, 218.623 Amended
- 218.624, 218.628, 218.636 Amended
- 218.637 Amended
- 218.640 Renumbered, Amended
- 218.642 Renumbered
- 218.644 Renumbered, Amended
- 218.875, 218.877 Renumbered, Amended
- 218.879, 218.881, 218.883 Renumbered
- 218.886 Repealed
- 218.920, 218.923, 218.926 Renumbered
- 218.927, 218.928, 218.940 Amended
- 218.943, 218.946, 218.947 Amended
- 218.948, 218.960, 218.963 Amended
- 218.966, 218.967, 218.968 Amended
- 218.980, 218.983, 218.986 Amended
- 218.987, 218.988, 218.990 Amended
- 218.991 Amended
- Appendix A Amended
- Appendix B Amended
- Appendix C Amended
- Appendix D Amended
- 4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111, par. 1027 and Section 28.5 of the Environmental Protection Act (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/27 and 28.5].
- 5) A Complete Description of the Subjects and Issues Involved:
The proposed rule is part of a plan to meet the State's obligation to provide for a federally approvable State Implementation Plan that includes corrections to existing reasonably available control technology rules controlling emissions of volatile organic material in the nonattainment areas as required by the Clean Air Act Amendments of 1990. A more complete description of this rulemaking can be found in the proposal. Copies of the proposal in R93-9 are available for review or copying through the Clerk of the Board.
- 6) Will this proposed rule replace an emergency rule currently in effect? No
- 7) Does this rulemaking contain an automatic repeal date? No
- 8) Does this proposed rule (amendment, repealer) contain incorporations by reference? Yes

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

- 9) Are there any other proposed amendments pending on this Part? No
- 10) Statement of Statewide Policy Objectives: These proposed rules and amendments do not create or enlarge a state mandate as defined in Section 3(b) of the State Mandates Act (Ill. Rev. Stat. 1991, ch. 85, par. 2203(b)) [30 ILCS 805/3(b)].

- 11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Send written comments concerning R93-9 within 45 days of publication in the Illinois Register to:

Clerk of the Pollution Control Board
100 West Randolph Street
Suite 11-500
Chicago, Illinois 60601

and

Nidhi D. Kapoor
Assistant Counsel
Illinois Environmental Protection Agency
Bureau of Air
P.O. Box 19276
Springfield, Illinois 62794-9276

All comments should be clearly marked with the docket number R93-9. Additionally, hearings are required to be held in this matter. The first hearing is scheduled for May 7, 1992. For further information or hearings, contact Diane O'Neill, hearing officer, at (312) 814-6062.

- 12) Initial Regulatory Flexibility Analysis: These proposed rules are mandated by the Clean Air Act and, therefore, no small business will be affected to degree greater than allowed by federal law. Consequently, a Regulatory Flexibility Analysis is not applicable.

A) Date rule was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs: March 26, 1993

B) Types of small business affected: Any small business which owns or operates an emission source in Cook, DuPage, Kane, Lake, McHenry or Will Counties.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

- C) Reporting, bookkeeping or other procedures required for compliance: Some reporting, bookkeeping, and testing requirements are required by this rule.
- D) Types of professional skills necessary for compliance: Clerical, managerial, professional

The full text of the Proposed Rule begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE B: AIR POLLUTION

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: EMISSIONS STANDARDS AND LIMITATIONS
FOR STATIONARY SOURCES

PART 218

ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS FOR THE
CHICAGO AREA

SUBPART A: GENERAL PROVISIONS

Section	Introduction
218.100	Clean-up and Disposal-Operations Savings Clause
218.101	Abbreviations and Conversion Factors
218.102	Applicability
218.103	Definitions
218.104	Test Methods and Procedures
218.105	Compliance Dates
218.106	Operation of Afterburners
218.107	Exemptions, Variations, and Alternative Means of Control or Compliance Determinations
218.108	Vapor Pressure of Volatile Organic Liquids
218.109	Vapor Pressure of Organic Material or Solvents
218.110	Vapor Pressure of Volatile Organic Material
218.111	Incorporations by Reference
218.112	

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section	Storage Containers
218.121	Loading Operations
218.122	Petroleum Liquid Storage Tanks
218.123	External Floating Roofs
218.124	Compliance Dates (Repealed)
218.125	Compliance Plan (Repealed)
218.126	

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

Section	Separation Operations
218.141	Pumps and Compressors
218.142	Vapor Blowdown
218.143	Safety Relief Valves
218.144	

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

SUBPART E: SOLVENT CLEANING

Section	Solvent Cleaning in General
218.181	Cold Cleaning
218.182	Open Top Vapor Degreasing
218.183	Conveyorized Degreasing
218.184	Compliance Schedule (Repealed)
218.185	Test Methods
218.186	

SUBPART F: COATING OPERATIONS

Section	Emission Limitations for Manufacturing Plants
218.204	Daily-Weighted Average Limitations
218.205	Solids Basis Calculation
218.206	Alternative Emission Limitations
218.207	Exemptions from Emission Limitations
218.208	Exemption from General Rule on Use of Organic Material
218.209	Compliance Schedule
218.210	Recordkeeping and Reporting
218.211	

SUBPART G: USE OF ORGANIC MATERIAL

Section	Use of Organic Material
218.301	Alternative Standard
218.302	Fuel Combustion Emission Sources Units
218.303	Operations with Compliance Program
218.304	

SUBPART H: PRINTING AND PUBLISHING

Section	Flexographic and Rotogravure Printing
218.401	Applicability
218.402	Compliance Schedule
218.403	Recordkeeping and Reporting
218.404	Heatset-Web-Offset Lithographic Printing
218.405	

SUBPART Q: LEAKS FROM SYNTHETIC ORGANIC CHEMICAL AND POLYMER
MANUFACTURING EQUIPMENT PLANT

Section	General Requirements
218.421	Inspection Program Plan for Leaks
218.422	Inspection Program for Leaks
218.423	Repairing Leaks
218.424	Recordkeeping for Leaks
218.425	

POLLUTION CONTROL BOARD

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218.426
218.427
218.428
218.429
218.430

Report for Leaks
Alternative Program for Leaks
Open-ended Valves
Standards for Control Devices
Compliance Date (Repealed)

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES;
ASPHALT MATERIALS

Section
218.441
218.442
218.443
218.444
218.445
218.446
218.447
218.448
218.449
218.450
218.451
218.452
218.453

Petroleum Refinery Waste Gas Disposal
Vacuum Producing Systems
Wastewater (Oil/Water) Separator
Process Unit Turnarounds
Leaks: General Requirements
Monitoring Program Plan for Leaks
Monitoring Program for Leaks
Recordkeeping for Leaks
Reporting for Leaks
Alternative Program for Leaks
Sealing Device Requirements
Compliance Schedule for Leaks
Compliance Dates (Repealed)

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

Section
218.461
218.462
218.463
218.464
218.465
218.466

Manufacture of Pneumatic Rubber Tires
Green Tire Spraying Operations
Alternative Emission Reduction Systems
Emission Testing
Compliance Dates (Repealed)
Compliance Plan (Repealed)

SUBPART T: PHARMACEUTICAL MANUFACTURING

Section
218.480
218.481

218.482

218.483
218.484
218.485
218.486
218.487

Applicability of ~~Subpart T~~
Control of Reactors, Distillation Units, Crystallizers,
Centrifuges and Vacuum Dryers
Control of Air Dryers, Production Equipment Exhaust
Systems and Filters
Material Storage and Transfer
In-Process Tanks
Leaks
Other Emission ~~Source~~ Units
Testing

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

218.488
218.489

Monitoring ~~and Recordkeeping~~ for Air Pollution Control Equipment
Recordkeeping for Air Pollution Control Equipment

SUBPART V: AIR OXIDATION PROCESSES

Section
218.521
218.525
218.526
218.527

Definitions (Repealed)
Emission Limitations for Air Oxidation Processes
Testing and Monitoring
Compliance Date (Repealed)

SUBPART W: AGRICULTURE

Section
218.541

Pesticide Exception

SUBPART X: CONSTRUCTION

Section
218.561
218.562
218.563

Architectural Coatings
Paving Operations
Cutback Asphalt

SUBPART Y: GASOLINE DISTRIBUTION

Section
218.581
218.582
218.583
218.584
218.585
218.586

Bulk Gasoline Plants
Bulk Gasoline Terminals
Gasoline Dispensing ~~Facilities~~ Operations
Gasoline Delivery Vessels
Gasoline Volatility Standards
Gasoline Dispensing ~~Source~~ Operations - Motor Vehicle
Fueling Operations

SUBPART Z: DRY CLEANERS

Section
218.601
218.602
218.603
218.604
218.605
218.606
218.607
218.608
218.609
218.610

perchloroethylene Dry Cleaners
Exemptions
Leaks
Compliance Dates (Repealed)
Compliance Plan (Repealed)
Exception to Compliance Plan (Repealed)
Standards for Petroleum Solvent Dry Cleaners
Operating Practices for Petroleum Solvent Dry Cleaners
Program for Inspection and Repair of Leaks
Testing and Monitoring

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

218.611 Exemption for Petroleum Solvent Dry Cleaners
 218.612 Compliance Dates (Repealed)
 218.613 Compliance Plan (Repealed)

SUBPART AA: PAINT AND INK MANUFACTURING

Section
 218.620 Applicability
 218.621 Exemption for Waterbase Material and Heatset-Offset Ink
 218.623 Permit Conditions
 218.624 Open-Top Mills, Tanks, Vats or Vessels
 218.625 Grinding Mills
 218.626 Storage Tanks
 218.628 Leaks
 218.630 Clean Up
 218.636 Compliance Schedule
 218.637 Recordkeeping and Reporting

SUBPART BB: POLYSTYRENE PLANTS

Section
 218.875 ~~218.640 Applicability of Subpart BB~~
 218.877 ~~218.642 Emissions Limitations at Polystyrene Plants~~
 218.881 ~~218.644 Emissions Testing~~
 218.875 Applicability of Subpart BB (Renumbered)
 218.877 Emissions Limitation at Polystyrene Plants (Renumbered)
 218.879 Compliance Date (Repealed)
 218.881 Compliance Plan (Repealed)
 218.883 Special Requirements for Compliance Plan (Repealed)
 218.886 Emissions Testing (Renumbered)

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

Section
 218.920 Applicability
 218.923 Permit Conditions
 218.926 Control Requirements
 218.927 Compliance Schedule
 218.928 Testing

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

Section
 218.940 Applicability
 218.943 Permit Conditions
 218.946 Control Requirements
 218.947 Compliance Schedule

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NOTICE OF PROPOSED AMENDMENTS

218.948 Testing

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

Section
 218.960 Applicability
 218.963 Permit Conditions
 218.966 Control Requirements
 218.967 Compliance Schedule
 218.968 Testing

SUBPART TT: OTHER EMISSION SOURCES UNITS

Section
 218.980 Applicability
 218.983 Permit Conditions
 218.986 Control Requirements
 218.987 Compliance Schedule
 218.988 Testing

SUBPART UU: RECORDKEEPING AND REPORTING FOR NON-CTG SOURCES

Section
 218.990 Exempt Emission Sources Units
 218.991 Subject Emission Sources Units

Section 218. Appendices A:

List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing
 VOM Measurement Techniques for Capture Efficiency
 Reference Methods and Procedures

Section 218. Appendix B:

Reference Methods and Procedures

Section 218. Appendix C:

Procedures

Section 218. Appendix D:

Coefficients for the Total Resource Effectiveness Index (TRE) Equation

AUTHORITY: Implementing Section 10 and authorized by Section 28.5 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1010), (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/10 and 28.5].

SOURCE: Adopted at R91-7 at 15 Ill. Reg. 12231, effective August 16, 1991; amended in R91-23 at 16 Ill. Reg. 13564, effective August 24, 1992; amended in R91-28 and R91-30 at 16 Ill. Reg. 13864, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. ___, effective ____.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

SUBPART A: GENERAL PROVISIONS

Section 218.100 Introduction

- a) This Part contains standards and limitations for emissions of organic material and volatile organic material from stationary sources located in the Chicago area, which is comprised of Cook, DuPage, Kane, Lake, McHenry and Will Counties and Aux Sable Township and Goose Lake Township in Grundy County and Oswego Township in Kendall County.

- b) Sources subject to this Part may be subject to the following:

- 1) Permits required under 35 Ill. Adm. Code 201+ and
- 2) Air quality standards under 35 Ill. Adm. Code 243+.

- c) This Part is divided into Subparts which are grouped as follows:

- 1) Subpart A: General Provisions;
- 2) Subparts B-F: Emissions from equipment and operations in common to more than one industry;
- 3) Subpart G: Emissions from use of organic material;
- 4) Subparts H-end RR: ~~Special~~ Rules for various industry groups.
- 5) Subpart TT: Rules for emission units not otherwise addressed.
- 6) Subpart UU: Recordkeeping and reporting for equipment and operations addressed by Subparts PP, QQ, RR, and TT.

(Source: Amended at ___ Ill. Reg. _____, effective _____)

Section 218.101 Cleanup and Disposal Operation Savings Clause

Emission of organic material released during clean-up operations and disposal shall be included with other emissions of organic material from the related emission source or air pollution

POLLUTION CONTROL BOARD

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~~control equipment in determining total emissions.~~

a)

Every owner or operator of an emission unit formerly subject to 35 Ill. Adm. Code Part 215 shall have complied with its standards and limitations by the dates and schedules applicable to the emission unit in accordance with 35 Ill. Adm. Code 215 or upon initial start-up. Compliance with all compliance dates or schedules found in 35 Ill. Adm. Code 215 are not superseded by this Part and remain in full force and effect.

b)

Nothing in this Part shall affect the responsibility of any owner or operator that is now or has been subject to the FIP to comply with its requirements thereunder by the dates specified in the FIP.

(Source: Section repealed, new Section adopted at ___ Ill. Reg. _____, effective _____)

Section 218.102 Abbreviations and Conversion Factors

a) The following abbreviations are used in this Part:

ASTM American Society for Testing and Materials
 bbl barrels (42 gallons)
 °C degrees Celsius or Centigrade
 cm centimeters
 cu in cubic inches
 °F degrees Fahrenheit
 FIP Federal Implementation Plan
 ft feet
 ft² square feet
 g grams
 gpm gallons per minute
 g/mole grams per mole
 gal gallons
 hr hours
 in inches
 °K degrees Kelvin
 kcal kilocalories
 kg kilograms
 kg/hr kilograms per hour
 kPa kilopascals; one thousand newtons per square meter
 l liters
 l/sec liters per second

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~~lbs~~ pounds
~~lbs/hr~~ pounds per hour
~~lbs/gal~~ pounds per gallon
~~lbf~~ lower explosive limit
~~m~~ meters
~~m²~~ square meters
~~m³~~ cubic meters
~~mg~~ milligrams
~~Mg~~ Megagrams, metric tons or tonnes
~~ml~~ milliliters
~~min~~ minutes
~~MJ~~ megajoules
~~mm Hg~~ millimeters of mercury
~~NDO~~ natural draft opening
~~ppm~~ parts per million
~~ppmv~~ parts per million by volume
~~psi~~ pounds per square inch
~~psia~~ pounds per square inch absolute
~~psig~~ pounds per square inch gauge
~~scf~~ standard cubic feet
~~sem~~ standard cubic meters
~~sec~~ seconds
~~GIP~~ State Implementation Plan
~~TTE~~ temporary total enclosure
~~sq cm~~ square centimeters
~~sq in~~ square inches
~~ton~~ English ton
~~USEPA~~ United States Environmental Protection Agency
~~VOC~~ volatile organic compounds
~~VOM~~ volatile organic materials

b) The following conversion factors are used in this part.

English Metric

~~1 gal~~ 3.785 l
~~1,000 gal~~ 3,785 l or 3.785 m³
~~1 psia~~ 6.897 kPa (51.71 mm Hg)
~~2.205 lbs~~ 1 kg
~~1 bbl~~ 159.0 l
~~1 cu in~~ 16.39 ml
~~1 lb/gal~~ 119,600 mg/l
~~1 ton~~ 0.907 Mg
~~1 lb~~ 0.454 kg

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The abbreviations and conversion factors of 35 Ill. Adm. Code 211 apply to this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.103 Applicability

The provisions of this Part shall apply to all sources located in the Chicago area, which is composed of Cook, DuPage, Kane, Lake, McHenry or Will Counties, or Aux Sable Township or Goose Lake Township in Grundy County or Oswego Township in Kendall County.

a) The provisions of this Part shall become effective on July 1, 1991 with the following exceptions:

1) The provisions of this Part shall become effective on September 1, 1991 for each appellant, including the constituents represented by appellants who are associations, who has appealed the federal implementation plan (FIP) for the Chicago area (Illinois Regulatory Group v. USEPA, No. 90-2778 (and consolidated cases) (7th Cir.)).

2) The effectiveness of any provision of this Part applicable to any individual source or category of sources which has appealed the FIP shall be stayed to the extent that such individual source or category of sources received a stay of the effectiveness of the FIP from USEPA or from a court, when the court has taken final action or when USEPA has published in the Federal Register final action to revise or affirm the provisions of the FIP specifically applicable to such individual source or category of sources or such stay is terminated, the Board shall take corresponding action, if necessary, by the adoption of a peremptory rule pursuant to 35 Ill. Adm. Code 102.347 and Section 5.03 of the Administrative Procedure Act (Ill. Rev. Stat., 1989, ch. 127, ch. 1005.03). The effectiveness of any provision of this Part applicable to any individual source or category of sources which has appealed the FIP shall be stayed to the extent that such individual source or category of sources received a stay of the effectiveness of the FIP, pending reconsideration, from the USEPA or from the court in the FIP appeal cited in subsection 218.103(a)(1) above. When

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USEPA has published in the Federal Register final action to revise or affirm the provisions of the FIP specifically applicable to such individual source or category of sources or such stay is otherwise terminated, the Board shall take corresponding action and the Agency shall submit such action to USEPA for approval. Until such time as USEPA approves the corresponding amendment to this Part, the FIP rule shall remain the applicable implementation plan for that source or category of sources under the Clean Air Act.

3) The provisions of this Part shall become effective on November 15, 1992 for all sources located in Aux Sable Township or Goose Lake Township in Grundy County or in Oswego Township in Kendall County.

b) The provisions of the Part shall not apply to Viskase Corporation; Allsteel, Incorporated; Stepan Company; or Ford Motor Company to the extent such source has obtained an adjusted standard from the Board or an exclusion from the General Assembly for any Subpart of this Part or of 35 Ill. Adm. Code 215.

(Board Note: Subsection 218.103(b) of this Section shall be effective at the federal level only upon approval by USEPA.)

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.104 Definitions

The following terms are defined for the purpose of this Part.

"Acesolacota" means a pharmaceutical coating operation which consists of a horizontally rotating perforated drum in which tablets are placed, a coating is applied by spraying, and the coating is dried by the flow of air across the drum through the perforations.

"Accumulator" means the reservoir of a condensing unit receiving the condensate from a surface condenser.

"Acid Gases" means for the purposes of Section 9.4 of the Environmental Protection Act (the Act) (Ill. Rev. Stat. 1987, ch. 111 1/2, par. 1009.4), hydrogen chloride, hydrogen fluoride and hydrogen bromide, which exist as gases, liquid mist, or any combination

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thereof.

"Actual emissions" means the actual quantity of VOC emissions from an emission source during a particular time period.

"Actual Heat Input" means the quantity of heat produced by the combustion of fuel using the gross heating value of the fuel.

"Adhesive" means any substance or mixture of substances intended to serve as a joining compound.

"Afterburner" means a control device in which materials in gaseous effluent are combusted.

"Air contaminant" means any solid, liquid, or gaseous matter, any odor, or any form of energy, that is capable of being released into the atmosphere from an emission source.

"Air dried coatings" means any coatings that dry by use of air or forced air at temperatures up to 363.15K (194°F).

"Air pollution" means the presence in the atmosphere of one or more air contaminants in sufficient quantities and of such characteristics and duration as to be injurious to human, plant, or animal life, to health, or to property, or to unreasonably interfere with the enjoyment of life or property.

"Air pollution control equipment" means any equipment or facility of a type intended to eliminate, prevent, reduce or control the emission of specified air contaminants to the atmosphere.

"Air suspension coater/dryer" means a pharmaceutical coating operation which consists of vertical chambers in which tablets or particles are placed, and a coating is applied and then dried while the tablets or particles are kept in a fluidized state by the passage of air upward through the chambers.

"Airless spray" means a spray coating method in which the coating is atomized by forcing it through a small opening at high pressure. The coating liquid is not mixed with air before exiting from the nozzle.

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"air-assisted airless-spray" means a spray-coating method which combines compressed air with hydraulic pressure to atomize the coating material into finer droplets than is achieved with pure airless-spray, lower hydraulic pressure is used than with airless spray.

"allowable emissions" means the quantity of VOM emissions during a particular time period from a stationary source calculated using the maximum rated capacity of the source (unless restricted by federally enforceable limitations on operating rate, hours of operation, or both) and the most stringent of: the applicable standards in 40 CFR parts 60 and 61; the applicable implementation plan; or a federally enforceable permit.

"ambient air quality standards" means those standards designed to protect the public health and welfare codified in 40 CFR Part 50 and promulgated from time to time by the USEPA pursuant to authority contained in Section 108 of the Clean Air Act, 42 U.S.C. 7401 et seq., as amended from time to time.

"applicator" means a device used in a coating line to apply coating.

"as-applied" means the exact formulation of a coating during application on or impregnation into a substrate.

"architectural coating" means any coating used for residential or commercial buildings or their appurtenances, or for industrial buildings, which is site applied.

"asphalt" means the dark brown to black cementitious material (solid, semisolid, or liquid in consistency) of which the main constituents are bitumens which occur naturally or as a residue of petroleum refining.

"asphalt prime coat" means a low viscosity liquid asphalt applied to an absorbent surface as the first of more than one asphalt coat.

"automobile" means a motor vehicle capable of carrying no more than 12 passengers.

"automobile or light-duty truck assembly plant" means a

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facility where parts are assembled or finished for eventual inclusion into a finished automobile or light-duty truck ready for sale to vehicle dealers, but not including customizers, body shops, and other repainters.

"automobile or light-duty truck refinishing" means the repainting of used automobiles and light-duty trucks.

"baked coatings" means any coating which is cured or dried in an oven where the oven air temperature exceeds 90°C (194°F).

"batch loading" means the process of loading a number of individual parts at the same time for degreasing.

"bead-dipping" means the dipping of an assembled tire bead into a solvent-based cement.

"binders" means organic materials and resins which do not contain VOM.

"bituminous coatings" means black or brownish coating materials which are soluble in carbon disulfide, which consist mainly of hydrocarbons, and which are obtained from natural deposits or as residues from the distillation of crude oils or of low grades of coal.

"British Thermal Unit" means the quantity of heat required to raise one pound of water from 60°F to 61°F (abbreviated btu).

"brush or wipe coating" means a manual method of applying a coating using a brush, cloth, or similar object.

"bulk gasoline plant" means a gasoline storage and distribution facility with an average throughput of 76,000 l (20,000 gal) or less on a 30-day rolling average that distributes gasoline to gasoline dispensing facilities.

"bulk gasoline terminal" means any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, and distributes gasoline to bulk gasoline plants or gasoline dispensing facilities.

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"Can" means any metal container, with or without a top, cover, spout or handles, into which solid or liquid materials are packaged.

"Can-coating" means any coating applied on a single walled container that is manufactured from metal sheets thinner than 29 gauge (0.0141 in.).

"Can-coating" means a facility that includes one or more can-coating line(s).

"Can-coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of cans or can components.

"Capture" means the containment or recovery of emissions from a process for direction into a duct which may be exhausted through a stack or vent to a control device. The overall abatement of emissions from a process with an add-on control device is a function both of the capture efficiency and of the control device.

"Capture device" means a hood, enclosed room floor sweep or other means of collecting solvent or other pollutants into a duct. The pollutant can then be directed to a pollution control device such as an afterburner or carbon adsorber. Sometimes the term is used loosely to include the control device.

"Capture efficiency" means the fraction of all VOM generated by a process that are directed to an abatement or recovery device.

"Capture system" means all equipment (including, but not limited to, hoods, ducts, fans, ovens, dryers, etc.) used to contain, collect and transport an air pollutant to a control device.

"Clean Air Act" means the Clean Air Act of 1963, as amended, including the Clean Air Act Amendments of 1977, (42 U.S.C. 7401 et seq.), and the Clean Air Act Amendments of 1990, (P.L. 101-549).

"Clear-coating" means coatings that lack color and opacity or are transparent using the undercoat as a reflectant base or undertone color.

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"Clear topcoat" means the final coating which contains binders, but not opaque pigments, and is specifically formulated to form a transparent or translucent solid protective film.

"Closed Purge System" means a system that is not open to the atmosphere and that is composed of piping, connections, and, if necessary, flow inducing devices that transport liquid or vapor from a piece or pieces of equipment to a control device, or return the liquid or vapor to the process line.

"Closed vent system" means a system that is not open to the atmosphere and is composed of piping, connections, and, if necessary, flow inducing devices that transport gas or vapor from an emission source to a control device.

"Coating" means a material applied onto or impregnated into a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, sealers, adhesives, thinners, diluents, and inks.

"Coating applicator" means equipment used to apply a coating.

"Coating line" means an operation consisting of a series of one or more coating applicators and any associated flash-off areas, drying areas, and ovens wherein a surface coating is applied, dried, or cured. (It is not necessary for an operation to have an oven, or flash-off area, or drying area to be included in this definition.)

"Coating plant" means any plant that contains one or more coating line(s).

"Coil" means any flat metal sheet or strip that is rolled or wound in concentric rings.

"Coil-coating" means any coating applied on any flat metal sheet or strip that comes in rolls or coils.

"Coil-coating facility" means a facility that includes one or more coil-coating line(s).

"Coil-coating line" means a coating line in which any

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"protective, decorative or functional coating is applied onto the surface of flat metal sheets, strips, rolls, or coils for industrial or commercial use.

"Cold cleaning" means the process of cleaning and removing soils from surfaces by spraying, brushing, flushing, or immersion while maintaining the organic solvent below its boiling point. Wipe cleaning is not included in this definition.

"Complete Combustion" means a process in which all carbon contained in a fuel or gas stream is converted to carbon dioxide.

"Component" means, with respect to synthetic organic chemical and polymer manufacturing equipment, and petroleum refining and related industries, any piece of equipment which has the potential to leak VOM including, but not limited to, pump seals, compressor seals, seal oil degassing vents, pipeline valves, pressure relief devices, process drains, and open ended pipes. This definition excludes valves which are not externally regulated, flanges, and equipment in heavy liquid service. For purposes of Subpart Q of this part, this definition also excludes bleed ports of gear pumps in polymer service.

"Concrete curing compounds" means any coating applied to freshly poured concrete to retard the evaporation of water.

"Condensate" means volatile organic liquid separated from its associated gases, which condenses due to changes in the temperature or pressure and remains liquid at standard conditions.

"Continuous process" means, with respect to polystyrene resin, a method of manufacture in which the styrene raw material is delivered on a continuous basis to the reactor in which the styrene is polymerized to polystyrene.

"Control device" means equipment (such as an afterburner or adsorber) used to remove or prevent the emission of air pollutants from a contaminated exhaust stream.

"Control device efficiency" means the ratio of the

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pollution prevented by a control device and the pollution introduced to the control device, expressed as a percentage.

"Conveyerized degreasing" means the continuous process of cleaning and removing soils from surfaces utilizing either cold or vaporized solvents.

"Crude oil" means a naturally occurring mixture which consists of hydrocarbons and sulfur, nitrogen, or oxygen derivatives of hydrocarbons and which is a liquid at standard conditions.

"Crude oil gathering" means the transportation of crude oil or condensate after custody transfer between a production facility and a reception point.

"Custody transfer" means the transfer of produced petroleum and/or condensate after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other forms of transportation.

"Cutback Asphalt" means any asphalt which has been liquified by blending with petroleum solvents other than residual fuel oil and has not been emulsified with water.

"Daily weighted average VOM content" means the average VOM content of two or more coatings as applied on a coating line during any day, taking into account the fraction of total coating volume that each coating represents, as calculated with the following equation:

$$VOM_d = \frac{\sum_{i=1}^n V_i C_i}{\sum_{i=1}^n V_i}$$

where:

VOM_d = The average VOM content of two or more coatings as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);

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- n = The number of different coatings as applied each day on a coating line,
- V_1 = The volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of 1 (gal),
- C_1 = The VOM content of each coating as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM), and
- V_T = The total volume of all coatings (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of 1 (gal).

"Day" means the consecutive 24 hours beginning at 12:00 AM (midnight) local time.

"Degreaser" means any equipment or system used in solvent cleaning.

"Delivery vessel" means any tank truck or trailer equipped with a storage tank that is used for the transport of gasoline to a stationary storage tank at a gasoline dispensing facility, bulk gasoline plant, or bulk gasoline terminal.

"Dip coating" means a method of applying coatings in which the part is submerged in a tank filled with the coating.

"Distillate Fuel Oil" means fuel oils of grade No. 1 or 2 as specified in detailed requirements for fuel oil ASTM D-369-69 (1971).

"Dry Cleaning Facility" means a facility engaged in the cleaning of fabrics using an essentially nonaqueous solvent by means of one or more solvent washes, extraction of excess solvent by spinning and drying by

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tumbling in an airstream. The facility includes, but is not limited to, washers, dryers, filter and purification systems, waste disposal systems, holding tanks, pumps and attendant piping and valves.

"Effluent Water Separator" means any tank, box, sump or other apparatus in which any organic material floating on or entrained or contained in water entering such tank, box, sump or other apparatus is physically separated and removed from such water prior to outfall, drainage or recovery of such water.

"Electrostatic bell or disc spray" means an electrostatic spray coating method in which a rapidly spinning bell or disc shaped applicator is used to create a fine mist and apply the coating with high transfer efficiency.

"Electrostatic spray" means a spray coating method in which opposite electrical charges are applied to the substrate and the coating. The coating is attracted to the object due to the electrostatic potential between them.

"Emission Rate" means total quantity of any air contaminant discharge into the atmosphere in any one hour period.

"Emission source" and "source" mean any facility from which VOM is emitted or capable of being emitted into the atmosphere.

"Enamel" means a coating that cures by chemical cross-linking of its base resin. Enamels can be distinguished from lacquers because enamels are not readily resolvable in their original solvent.

"Enclose" means to cover any VOM surface that is exposed to the atmosphere.

"End sealing compound coat" means a compound applied to an end which functions as a gasket when the end is assembled onto the can.

"Excess Air" means air supplied in addition to the theoretical quantity necessary for complete combustion of all fuel and/or combustible waste material.

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"Excessive release" means a discharge of more than 295 g (0.65 lbs) of mercaptans and/or hydrogen sulfide into the atmosphere in any 5-minute period.

"Exterior base coat" means a coating applied to the exterior of a can body, or flat sheet to provide protection to the metal or to provide background for any lithographic or printing operation.

"Exterior end coat" means a coating applied to the exterior end of a can to provide protection to the metal.

"External floating roof" means a cover over an open-top storage tank consisting of a double-deck or pontoon single-deck which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

"Extreme environmental conditions" means exposure to any or all of the following: ambient weather conditions; temperatures consistently above 95°C (203°F); detergent, abrasive and scouring agents; solvents; or corrosive atmospheres.

"Extreme performance coating" means any coating which during intended use is exposed to extreme environmental conditions.

"Fabric coating" means any coating applied on textile fabric. Fabric coating includes the application of coatings by impregnation.

"Fabric coating facility" means a facility that includes one or more fabric coating lines.

"Fabric coating line" means a coating line in which any protective, decorative, or functional coating or reinforcing material is applied on or impregnated into a textile fabric.

"Federally enforceable" means all limitations and conditions which are enforceable by the Administrator including those requirements developed pursuant to 40 CFR Parts 60 and 61; requirements within any applicable implementation plan; and any permit requirements established pursuant to 40 CFR 52.21 or under

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regulations approved pursuant to 40 CFR Part 51 Subpart I and 40 CFR 51.166.

"Final repair coat" means the repainting of any topcoat which is damaged during vehicle assembly.

"Firebox" means the chamber or compartment of a boiler or furnace in which materials are burned, but not the combustion chamber or afterburner of an incinerator.

"Fixed roof tank" means a cylindrical shell with a permanently affixed roof.

"Flexographic printing" means the application of words, designs, and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is raised above the printing roll and the image carrier is made of elastomeric material.

"Flexographic printing line" means a printing line in which each roll printer uses a roll with raised areas for applying an image such as words, designs, or pictures to a substrate. The image carrier on the roll is made of rubber or other elastomeric material.

"Floating roof" means a roof on a stationary tank, reservoir, or other container which moves vertically upon change in volume of the stored material.

"Fountain solution" means the solution which is applied to the image plate to maintain hydrophilic properties of the non-image areas.

"Freeboard Height" means for open-top vapor degreasers, the distance from the top of the vapor zone to the top of the degreaser tank. For cold-cleaning degreasers, the distance from the solvent to the top of the degreaser tank.

"Fuel combustion emission source" means any furnace, boiler, or similar equipment used for the primary purpose of producing heat or power by indirect heat transfer.

"Fuel gas system" means a system for collection of refinery fuel gas including, but not limited to, piping for collecting fuel gas from various process units, mixing drums and controls, and distribution piping.

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"Gas service" means that the component contains process fluid that is in the gaseous state at operating conditions.

"Gas/gas method" means either of two methods for determining capture which rely only on gas phase measurements. The first method requires construction of a temporary total enclosure (TTE) to ensure that all would-be fugitive emissions are measured. The second method uses the building or room which houses the facility as an enclosure. The second method requires that all other VOM sources within the room be shut down while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

"Gasoline" means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kPa or greater which is used as a fuel for internal combustion engines.

"Gasoline dispensing facility" means any site where gasoline is transferred from a stationary storage tank to a motor vehicle gasoline tank used to provide fuel to the engine of that motor vehicle.

"Green tire spraying" means the spraying of green tires, both inside and outside, with release compounds which help remove air from the tire during molding and prevent the tire from sticking to the mold after curing.

"Green tires" means assembled tires before molding and curing have occurred.

"Gross vehicle weight" means the manufacturer's gross weight rating for the individual vehicle.

"Gross vehicle weight rating" means the value specified by the manufacturer as the maximum design loaded weight of a single vehicle.

"Heated airless spray" means an airless spray coating method in which the coating is heated just prior to application.

"Heatset" means a class of web-offset lithography which requires a heated dryer to solidify the printing inks.

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"Heatset web-offset lithographic printing line" means a lithographic printing line in which a blanket cylinder is used to transfer ink from a plate cylinder to a substrate continuously fed from a roll or an extension process and an oven is used to solidify the printing inks.

"Heavy liquid" means liquid with a true vapor pressure of less than 0.3 kPa (0.04 psi) at 294.3°K (70°F) established in a standard reference test or as determined by ASTM method D2879-86 (incorporated by reference in Section 218.112), or which has 0.1 Reid Vapor Pressure as determined by ASTM method D223-82 (incorporated by reference in Section 218.112), or which when distilled requires a temperature of 421.95°K (300°F) or greater to recover 10 percent of the liquid as determined by ASTM method D86-82 (incorporated by reference in Section 218.112).

"Heavy off-highway vehicle products" means, for the purpose of Subpart F of this Part, heavy construction, mining, farming, or material handling equipment, heavy industrial engines, diesel electric locomotives and associated power equipment, and the components of such equipment or engines.

"Heavy off-highway vehicle products coating facility" means a facility that includes one or more heavy off-highway vehicle products coating line(s).

"Heavy off-highway vehicle products coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of heavy off-highway vehicle products.

"High temperature aluminum coating" means a coating that is certified to withstand a temperature of 537.8°C (1000°F) for 24 hours.

"Hood" means a partial enclosure or canopy for capturing and exhausting, by means of a draft, the organic vapors or other fumes rising from a coating process or other source.

"Hood capture efficiency" means the emissions from a process which are captured by the hood and directed into a control device, expressed as a percentage of all

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emissions.

"Hot well" means the reservoir of a condensing unit receiving the condensate from a barometric condenser.

"Hour" means a block period of 60 minutes (e.g., 1:00am to 2:00am).

"In-process tank" means a container used for mixing, blending, heating, reacting, holding, crystallizing, evaporating or cleaning operations in the manufacture of pharmaceuticals.

"In-situ Sampling Systems" means nonextractive samplers or in-line samplers.

"In-vacuum service" means, for the purpose of Subpart Q of this Part, equipment which is operating at an internal pressure that is at least 5 kPa (0.73 psia) below ambient pressure.

"Incinerator" means a combustion apparatus in which refuse is burned.

"Indirect heat transfer" means transfer of heat in such a way that the source of heat does not come into direct contact with process material.

"Ink" means a coating used in printing, impressing, or transferring an image onto a substrate.

"Interior body spray coat" means a coating applied by spray to the interior of a can body.

"Internal-floating roof" means a cover or roof in a fixed-roof tank which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

"Laquer" means any clear wood finishes formulated with

nitrocellulose or synthetic resin to dry by evaporation without chemical reaction, including clear lacquer anding sealers.

"Large appliance" means any residential and commercial washers, dryers, ranges, refrigerators, freezers, water

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heaters, dishwashers, trash compactors, air conditioners, and other similar products.

"Large-appliance coating" means any coating applied to the component metal parts (including, but not limited to, doors, cases, lids, panels, and interior support parts) of residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dishwashers, trash compactors, air conditioners, and other similar products.

"Large-appliance coating facility" means a facility that includes one or more large-appliance-coating line(s).

"Large-appliance-coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of large appliances.

"Light liquid" means VOM in the liquid state which is not defined as heavy liquid.

"Light-duty truck" means any motor vehicle rated at 3,050 kg gross vehicle weight or less, designed mainly to transport property.

"Liquid/gas method" means either of two methods for determining capture which require both gas phase and liquid phase measurements and analysis. The first method requires construction of a QMB. The second method uses the building or room which houses the facility as an enclosure. The second method requires that all other VOM sources within the room be shut down while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

"Liquid-Mounted Seal" means a primary seal mounted in continuous contact with the liquid between the tank wall and the floating roof edge around the circumference of the roof.

"Liquid service" means that the equipment or component contains process fluid that is in a liquid state at operating conditions.

"Liquid Dripping" means any visible leaking from a seal including spraying, misting, clouding and ice

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formation-

"Lithographic printing line" means a printing line, except that the substrate is not necessarily fed from an unwinding roll, in which each roll printer uses a roll where both the image and non-image areas are essentially in the same plane (planographic).

"Low Solvent Coating" means a coating which contains less organic solvent than the conventional coatings used by the industry. Low solvent coatings include water-borne, higher solids, electro-deposition and powder coatings.

"Magnet wire" means aluminum or copper wire formed into an electromagnetic coil.

"Magnet wire coating" means any coating or electrically insulating varnish or enamel applied to magnet wire.

"Magnet wire coating facility" means a facility that includes one or more magnet wire coating line(s).

"Magnet wire coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of a magnet wire.

"Malfunction" means any sudden and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

"Manufacturing process" means a method whereby a process emission source or series of process emission sources is used to raw materials, feed stocks, subassemblies, or other components into a product, either for sale or for use as a component in a subsequent manufacturing process.

"Material Recovery Section" means any equipment designed to transport and recover styrene monomer and other impurities from other products and by-products in a polystyrene plant, including but not limited to the styrene devolatilizer unit and styrene recovery unit.

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"Maximum theoretical emissions" means the quantity of volatile organic material emissions that theoretically could be emitted by a stationary source before add-on controls based on the design capacity or maximum production capacity of the source and 8760 hours per year. The design capacity or maximum production capacity includes use of coating(s) or ink(s) with the highest volatile organic material content actually used in practice by the source. Provided, however, the Agency shall, when appropriate, and upon request by the permit applicant, limit the "maximum theoretical emissions" of a source by the imposition of conditions in a federally enforceable operating permit for such source. Such conditions shall not be inconsistent with requirement of the Clean Air Act, as amended, or any applicable requirements established by the Board. Such conditions shall be established in place of design capacity or maximum production capacity in calculating the "maximum theoretical emissions" for such source and may include, among other things, the establishment of production limitations, capacity limitations, emission limitations, or limitations on the volatile organic material content of coatings or inks, or the hours of operation of any emission source, or a combination of any such limitations.

Production or capacity limitations shall be established on basis of no longer than one month except in those cases where a limit spanning a longer period of time is appropriate. In such cases, a rolling limit shall be employed. Any production or capacity limitations shall be verified through appropriate recordkeeping. (Board Note: The USEPA may deem operating permits which do not conform to the operating permit program requirements and the requirements of USEPA's underlying regulations, including the requirement that limitations be quantifiable and enforceable as a practical matter, not "federally enforceable.")

"Metal furniture" means a furniture piece including, but not limited to, tables, chairs, waste baskets, beds, desks, lockers, benches, shelving, file cabinets, lamps, and room dividers.

"Metal furniture coating" means any non-adhesive coating applied to any furniture piece made of metal or any metal part which is or will be assembled with other metal, wood, fabric, plastic or glass parts to form a

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Viscose solutions for feed casings

The storage and handling of formulations associated with the process described above, and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

Miscellaneous formulation manufacturing process means:

A manufacturing process which compounds one or more of the following and is capable of emitting VOM:

Adhesives

Asphalt solutions

Caulks, sealants, or waterproofing agents

Coatings, other than paint and ink

Concrete-curing compounds

Dyes

Friction materials and compounds

Resin solutions

Rubber solutions

Viscose solutions

The storage and handling of formulations associated with the process described above, and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

Miscellaneous metal parts or products means any metal part or metal product, even if attached to or combined with a nonmetal part or product, except cans, coffee metal furniture, large appliances, magnet wire automobiles, ships, and airplane bodies.

Miscellaneous metal parts and products coating means any coating applied to any metal part or metal product.

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furniture piece including, but not limited to, tables, chairs, waste baskets, beds, desks, lockers, benches, shelving, file cabinets, lamps, and room dividers. This definition shall not apply to any coating line coating miscellaneous metal parts or products.

"Metal furniture coating facility" means a facility that includes one or more metal furniture coating line(s).

"Metal furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of metal furniture.

"Metallic shoe type seal" means a primary or secondary seal constructed of metal sheets (shoes) which are joined together to form a ring, springs, or levers which attach the shoes to the floating roof and hold the shoes against the tank wall, and a coated fabric which is suspended from the shoes to the floating roof.

Miscellaneous fabricated product manufacturing process means:

A manufacturing process involving one or more of the following applications, including any drying and curing of formulations, and capable of emitting VOM:

Adhesives to fabricate or assemble components or products

Asphalt solutions to paper or fiberboard

Asphalt to paper or felt

Coatings or dye to leather

Coatings to plastic

Coatings to rubber or glass

Disinfectant material to manufactured items

Plastic foam scrap or "fluff" from the manufacture of foam containers and packaging material to form resin pellets

Resin solutions to fiber substances

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even if attached to or combined with a nonmetal part or product, except cans, coils, metal furniture, large appliances, and magnet wire. Prime coat, prime surfacer coat, topecoat, and final repair coat for automobiles and light-duty trucks are not miscellaneous metal parts and products coatings. However, underbody anti-chip (e.g., underbody plasticol) automobile and light-duty truck coatings are miscellaneous metal parts and products coatings. Also, automobile or light-duty truck refinishing coatings, coatings applied to the exterior of marine vessels, coatings applied to the exterior of airplanes, and the customized topecoating of automobiles and trucks if production is less than 35 vehicles per day are not miscellaneous metal parts and products coatings.

"Miscellaneous metal parts or products coating facility" means a facility that includes one or more miscellaneous metal parts or products coating lines.

"Miscellaneous metal parts or products coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of miscellaneous metal parts or products.

"Miscellaneous organic chemical manufacturing process" means:

A manufacturing process which produces, by chemical reaction, one or more of the following organic compounds or mixtures of organic compounds and which is capable of emitting VOM:

Chemicals listed in Appendix A of this Part

Chlorinated and sulfonated compounds

Cosmetic, detergent, soap, or surfactant intermediaries or specialties and products

Disinfectants

Food additives

Oil and petroleum product additives

Plasticizers

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Resins or polymers

Rubber additives

Sweeteners--

Varnishes

The storage and handling of formulations associated with the process described above and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

"Monitor" means to measure and record.

"Multiple package coating" means a coating made from more than one different ingredient which must be mixed prior to using and has a limited pot life due to the chemical reaction which occurs upon mixing.

"No Detectable Volatile Organic Material Emissions" means a discharge of volatile organic material into the atmosphere as indicated by an instrument reading of less than 500 ppm above background as determined in accordance with 40 CFR 60.485(e).

"Offset" means, with respect to printing and publishing operations, use of a blanket cylinder to transfer ink from the plate cylinder to the surface to be printed.

"Opaque stains" means all stains that are not semi-transparent stains.

"Open top vapor degreasing" means the batch process of cleaning and removing soils from surfaces by condensing hot solvent vapor on the colder metal parts.

"Open ended valve" means any valve, except pressure relief devices, having one side of the valve in contact with process fluid and one side open to the atmosphere, either directly or through open piping.

"Operator of Gasoline Dispensing Facility" means any person who is the lessee of or operates, controls or supervises a gasoline dispensing facility.

"Organic compound" means any compound of carbon,

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excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate.

"Organic material" means any chemical compound of carbon including diluents and thinners which are liquids at standard conditions and which are used as solvents, viscosity reducers, or cleaning agents, but excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides, carbonic acid, carbide, metallic carbonates, and ammonium carbonate.

"Organic vapor" means the gaseous phase of an organic material or a mixture of organic materials present in the atmosphere.

"Oven" means a chamber within which heat is used for one or more of the following purposes: dry, bake, cure, or polymerize a coating or ink.

"Overall control" means the product of the capture efficiency and the control device efficiency.

"Overvarnish" means a transparent coating applied directly over ink or coating.

"Owner of Gasoline Dispensing Facility" means any person who has legal or equitable title to a stationary storage tank at a gasoline dispensing facility.

"Owner or operator" means any person who owns, operates, leases, controls, or supervises an emission source or air pollution control equipment.

"Packaging rotogravure printing" means rotogravure printing upon paper, paper board, metal foil, plastic film, and other substrates, which are, in subsequent operations, formed into packaging products or labels for articles to be sold.

"Packaging rotogravure printing line" means a rotogravure printing line in which surface coatings are applied to paper, paperboard, foil, film, or other substrates which are to be used to produce containers, packaging products, or labels for articles.

"Paint manufacturing plant" means a plant that mixes, blends, or compounds enamels, lacquers, sealers,

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shellacs, stains, varnishes, or pigmented surface coatings.

"Paper coating" means any coating applied on paper, plastic film, or metallic foil to make certain products, including (but not limited to) adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper, or pressure sensitive tapes. Paper coating includes the application of coatings by impregnation and/or saturation.

"Paper coating facility" means a facility that includes one or more paper coating lines.

"Paper coating line" means a coating line in which any protective, decorative, or functional coating is applied on, saturated into, or impregnated into paper, plastic film, or metallic foil to make certain products, including (but not limited to) adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper, and pressure sensitive tapes.

"Parts per million (volume)" means a volume/volume ratio which expresses the volumetric concentration of gaseous air contaminant in a million unit volume of gas.

"Person" means any individual, corporation, partnership, association, State, municipality, political subdivision of a State, any agency, department, or instrumentality of the United States, and any officer, agent, or employee thereof.

"Petroleum" means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.

"Petroleum liquid" means crude oil, condensate or any finished or intermediate product manufactured at a petroleum refinery, but not including Number 2 through Number 6 fuel oils as specified in ASTM D-396-69, gas turbine fuel oils Numbers 2-GT through 4-GT as specified in ASTM D-2880-71 or diesel fuel oils Numbers 2-D and 4-D, as specified in ASTM D-975-68.

"Petroleum refinery" means any facility engaged in producing gasoline, kerosene, distillate fuel oil, residual fuel oils, lubricants, or other products through distillation of petroleum, or through

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"redistillation, cracking, or reforming of unfinished petroleum derivatives."

"pharmaceutical" means any compound or mixture, other than food, used in the prevention, diagnosis, alleviation, treatment, or cure of disease in human and animal.

"pharmaceutical coating operation" means a device in which a coating is applied to a pharmaceutical, including air drying or curing of the coating.

"photochemically Reactive Material" means any organic material with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified below or the composition of which exceeds any of the following individual percentage composition limitations. Whenever any photochemically reactive material or any constituent of any organic material may be classified from its chemical structure into more than one of the above groups of organic materials it shall be considered as a member of the most reactive group, that is, the group having the least allowable percent of the total organic materials.

A combination of hydrocarbons, alcohols, aldehydes, esters, ethers or ketones having an olefinic or cyclo-olefinic types of unsaturation, 5 percent. This definition does not apply to perchloroethylene or trichloroethylene.

A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene; 8 percent.

A combination of ethylbenzene, ketones having branched hydrocarbon structures or toluene; 20 percent.

"pigmented coatings" means opaque coatings containing binders and colored pigments which are formulated to conceal the wood surface either as an undercoat or topcoat.

"plant" means all of the pollutant-emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same

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person (or persons under common control), except the activities of any marine vessel. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same "Major Group" (i.e., which have the same two-digit code) as described in the "Standard Industrial Classification Manual, 1987" (incorporated by reference in Section 218-112).

"plasticizers" means a substance added to a polymer composition to soften and add flexibility to the product.

"pneumatic Rubber Tire Manufacture" means the production of pneumatic rubber tires with a bead diameter up to but not including 20.0 inches and cross section dimension up to 12.8 inches, but not including specialty tires for antique or other vehicles when produced on equipment separate from normal production lines for passenger or truck type tires.

"polystyrene plant" means any plant using styrene to manufacture polystyrene resin.

"polyethylene Resin" means substance consisting of styrene polymer and additives which is manufactured at a polystyrene plant.

"pressure Release" means the emission of materials resulting from system pressure being greater than set pressure of the pressure relief device.

"pressure Tank" means a tank in which fluids are stored at a pressure greater than atmospheric pressure.

"prime coat" means the first of two or more coatings applied to a surface.

"prime surfacer coat" means a coating used to touch up areas on the surface of automobile or light-duty truck bodies not adequately covered by the prime coat before application of the top coat. The prime surfacer coat is applied between the prime coat and topcoat. An anti-chip coating applied to main body parts (e.g., rocker panels, bottom of doors and fenders, and leading edge of roof) is a prime surfacer coat.

"primers" means any coatings formulated and applied to

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substrates to provide a firm bond between the substrate and subsequent coats.

"uprinting" means the application of words, designs, and pictures to a substrate using ink.

"printing line" means an operation consisting of a series of one or more roll printers and any associated roll coaters, drying areas, and ovens wherein one or more coatings are applied, dried, and/or cured.

"process" means any stationary emission source other than a fuel combustion emission source or an incinerator.

"process unit" means components assembled to produce, as intermediate or final products, one or more of the chemicals listed in 35 Ill. Adm. Code 218 Appendix A. A process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

"Process Unit Shutdown" means a work practice or operational procedure that stops production from a process unit or part of a process unit. An unscheduled work practice or operational procedure that stops production from a process unit or part of a process unit for less than 24 hours is not a process unit shutdown. The use of spare components and technically feasible bypassing of components without stopping production is not a process unit shutdown.

"production equipment exhaust system" means a system for collecting and directing into the atmosphere emissions of volatile organic material from reactors, centrifuges, and other process emission sources.

"publication rotogravure printing line" means a rotogravure printing line in which coatings are applied to paper which is subsequently formed into books, magazines, catalogues, brochures, directories, newspaper supplements, or other types of printed material.

"purged process fluid" means liquid or vapor from a process unit that contains volatile organic material and that results from flushing or cleaning the sample line(s) of a process unit so that an uncontaminated

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sample may then be taken for testing or analysis.

"Reactor" means a vat, vessel, or other device in which chemical reactions take place.

"Reasonably Available Control Technology (RACT)" means the lowest emission limitation that an emission source is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility.

"Refinery" means any person who owns, leases, operates, controls, or supervises a refinery.

"Refinery Fuel Gas" means any gas which is generated by a petroleum refinery process unit and which is combusted at the refinery, including any gaseous mixture of natural gas and fuel gas.

"Refinery unit, process unit or unit" means a set of components which are a part of a basic process operation such as distillation, hydrotreating, cracking, or reforming of hydrocarbons.

"Refrigerated condenser" means a surface condenser in which the coolant supplied to the condenser has been cooled by a mechanical device, other than by a cooling tower or evaporative spray cooling, such as refrigeration unit or steam chiller unit.

" Reid vapor pressure" means the standardized measure of the vapor pressure of a liquid in pounds per square inch absolute (Psia) at 100°F (37.8°C).

"Repair coatings" means coatings used to correct imperfections or damage to furniture surface.

"Repaired" means, for the purpose of Subpart Q of this Part, that equipment component has been adjusted, or otherwise altered, to eliminate a leak.

"Residual Fuel Oil" means fuel oils of grade No. 4, 5 and 6 as specified in detailed requirements for fuel oils A-5, U.M. D-396-69 (1971).

"Retail Outlet" means any gasoline dispensing facility at which gasoline is sold or offered for sale for use

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in motor vehicles.

"Roll coater" means an apparatus in which a uniform layer of coating is applied by means of one or more rolls across the entire width of a moving substrate.

"Roll printer" means an apparatus used in the application of words, designs, and pictures to a substrate, usually by means of one or more rolls each with only partial coverage.

"Roll printing" means the application of words, designs, and pictures to a substrate usually by means of a series of hard rubber or metal rolls each with only partial coverage.

"Roller coating" means a method of applying a coating to a sheet or strip in which the coating is transferred by a roller or series of rollers.

"Rolling limit" means that a limit or limitation must not exceed an annual limit rolled on a basis of at most a month monthly basis; that is, for example, a monthly production or capacity level must be determined for each parameter subject to a production or capacity limitation and added to the eleven prior monthly levels for monthly comparison with the annual limit.

"Rotogravure printing" means the application of words, designs, and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is recessed relative to the non-image area.

"Rotogravure printing line" means a printing line in which each roll printer uses a roll with recessed areas for applying an image to a substrate.

"Safety relief valve" means a valve which is normally closed and which is designed to open in order to relieve excessive pressures within a vessel or pipe.

"Sanding sealers" means any coatings formulated for and applied to bare wood for sanding and to seal the wood for subsequent application of varnish. To be considered a sanding sealer a coating must be clearly labelled as such.

"Sealer" means a coating containing binders which seals

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wood prior to the application of the subsequent coatings.

"Sensor" means a device that measures a physical quantity or the change in a physical quantity such as temperature, pressure, flow rate, pH, or liquid level.

"Semi-transparent stains" means stains containing dyes or semi-transparent pigments which are formulated to enhance wood grain and change the color of the surface but not to conceal the surface, including, but not limited to, sap stain, tannin, non-grain raising stains, pad stain, or spatter stain.

"Set of safety relief valves" means one or more safety relief valves designed to open in order to relieve excessive pressures in the same vessel or pipe.

"Sheet basecoat" means a coating applied to metal when the metal is in sheet form to serve as either the exterior or interior of a can for either two piece or three piece cans.

"Side seam spray coat" means a coating applied to the seam of a three piece can.

"Single coat" means one coating application applied to a metal surface.

"Solvent" means a liquid substance that is used to dissolve or dilute another substance.

"Solvent cleaning" means the process of cleaning soils from surfaces by cold cleaning, open top vapor degreasing, or conveyed degreasing.

"Specified air contaminant" means any air contaminant as to which this Part contains emission standards or other specific limitations.

"Splash loading" means a method of loading a tank, railroad tank car, tank truck, or trailer by use of other than a submerged loading pipe.

"Stack" means a flue or conduit, free-standing or with exhaust port above the roof of the building on which it is mounted, by which air contaminants are emitted into the atmosphere.

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"Standard conditions" means a temperature of 70°F and a pressure of 14.7 psia.

"Standard cubic foot (scf)" means the volume of one cubic foot of gas at standard conditions.

"Standard Industrial Classification Manual" means the Standard Industrial Classification Manual (1987), Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402 (incorporated by reference in Section 218.112).

"Start-up" means the setting in operation of an emission source for any purpose.

"Stationary emission source" means an emission source which is not self-propelled.

"Storage tank or storage vessel" means any stationary tank, reservoir or container used for the storage of vol.

"Styrene-Devolatilizer Unit" means equipment performing the function of separating unreacted styrene monomer and other volatile components from polystyrene in a vacuum devolatilizer.

"Styrene-Recovery Unit" means equipment performing the function of separating styrene monomer from other less volatile components of the styrene devolatilizer unit's output. The separated styrene monomer may be reused as a raw material in the polystyrene plant.

"Submerged loading pipe" means any discharge pipe or nozzle which meets either of the following conditions:

Where the tank is filled from the top, the end of the discharge pipe or nozzle must be totally submerged when the liquid level is 15 cm (6 in.) above the bottom of the tank.

Where the tank is filled from the side, the discharge pipe or nozzle must be totally submerged when the liquid level is 46 cm (18 in.) above the bottom of the tank.

"Substrate" means the surface onto which a coating is applied or into which a coating is impregnated.

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"Surface condenser" means a device which removes a substance from a gas stream by reducing the temperature of the stream, without direct contact between the coolant and the stream.

"Synthetic Organic Chemical or Polymer Manufacturing Plant" means a plant that produces, as intermediates or final products, one or more of the chemicals or polymers listed in 35 Ill. Adm. Code 218 Appendix A.

"Tablet coating operation" means a pharmaceutical coating operation in which tablets are coated.

"Thirty-day rolling average" means any value arithmetically averaged over any consecutive thirty days.

"Three-piece can" means a can which is made from a rectangular sheet and two circular ends.

"Topcoat" means a coating applied in a multiple-coat operation other than prime coat, final repair coat, or prime surfacer coat.

"Topcoat operation" means all topcoat spray booth, flash-off areas, and bake ovens at a facility which are used to apply, dry, or cure the final coatings (except final off-line repair) on components of automobile or light-duty truck bodies.

"Transfer efficiency" means the ratio of the amount of coating solids deposited onto a part or product to the total amount of coating solids used.

"Tread End Cementing" means the application of a solvent-based cement to the tire tread ends.

"Vapor pressure" means the equilibrium partial pressure exerted by a volatile organic liquid as determined in accordance with methods described in American Petroleum Institute Bulletin 2517.

"Evaporation loss from Floating Roof Tanks" second edition, February 1980 (incorporated by reference in Section 218.112).

"Turnaround" means the procedure of shutting down an operating refinery unit, emptying gaseous and liquid contents to do inspection, maintenance and repair work.

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and putting the unit back into production.

"Two-piece can" means a can which is drawn from a shallow cup and requires only one end to be attached.

"Undercoaters" means any coatings formulated for and applied to substrates to provide a smooth surface for subsequent coats.

"Undertread Cementing" means the application of a solvent-based cement to the underside of a tire tread.

Unregulated safety relief valve" means a safety relief valve which cannot be actuated by a means other than high pressure in the pipe or vessel which it protects.

"vacuum producing system" means any reciprocating, rotary, or centrifugal blower or compressor or any jet ejector or device that creates suction from a pressure below atmospheric and discharges against a greater pressure.

"valves not externally regulated" means valves that have no external controls, such as in-line check valves.

"vapor balance system" means any combination of pipes or hoses which creates a closed system between the vapor spaces of an unloading tank and a receiving tank such that vapors displaced from the receiving tank are transferred to the tank being unloaded.

"vapor collection system" means all piping, seals, hoses, connections, pressure vacuum vents, and other possible sources between the gasoline delivery vessel and the vapor processing unit and/or the storage tanks and vapor holder.

"vapor control system" means any system that limits or prevents release to the atmosphere of organic material in the vapors displaced from a tank during the transfer of gasoline.

"vapor Mounted Primary Seal" means a primary seal mounted with an air space bounded by the bottom of the primary seal, the tank wall, the liquid surface and the floating roof.

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"Vapor recovery system" means a vapor gathering system capable of collecting all VOM vapors and gases discharged from the storage tank and a vapor disposal system capable of processing such VOM vapors and gases so as to prevent their emission to the atmosphere.

"vehicle" means a device by which any person or property may be propelled, moved, or drawn upon a highway, excepting a device moved exclusively by human power or used exclusively upon stationary rails or tracks.

"vinyl coating" means any topcoat or printing ink applied to vinyl coated fabric or vinyl sheets. Vinyl coating does not include plastisols.

"vinyl coating facility" means a facility that includes one or more vinyl coating line(s).

"vinyl coating line" means a coating line in which any protective, decorative or functional coating is applied onto vinyl coated fabric or vinyl sheets.

"Volatile organic liquid (VOL)" means any substance which is liquid at storage conditions and which contains volatile organic compounds.

"Volatile organic material (VOM) or volatile organic compound (VOC)" means "volatile organic material (VOM) or volatile organic compound (VOC)", as that term is defined in 35 Ill. Adm. Code part 211.

"Volatile Petroleum Liquid" means any petroleum liquid with a true vapor pressure that is greater than 1.5 psia (78 millimeters of mercury) at standard conditions.

"Wash coat" means a coating containing binders which seals wood surfaces, prevents undesired staining, and controls penetration.

"Wastewater (Oil/Water) Separator" means any device or piece of equipment which utilizes the difference in density between oil and water to remove oil and associated chemicals from water, or any device, such as a flocculation tank or a clarifier, which removes petroleum derived compounds from waste water.

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~~"web" means a substrate which is printed in continuous roll-fed presses.~~

~~"wood furniture" means room furnishings including cabinets (kitchen, bath, and vanity), tables, chairs, beds, sofas, shutters, art objects, wood paneling, wood flooring, and any other coated furnishings made of wood, wood composition, or fabricated wood materials.~~

~~"wood furniture coating facility" means a facility that includes one or more wood furniture coating line(s).~~

~~"wood furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied onto wood furniture.~~

~~"woodworking" means the shaping, sawing, grinding, smoothing, polishing, and making into products of any form or shape of wood.~~

The definitions of 35 Ill. Adm. Code 211 apply to this Part.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.105 Test Methods and Procedures

a) Coatings, Inks and Fountain Solutions

The following test methods and procedures shall be used to determine compliance of as applied coatings, inks, and fountain solutions with the limitations set forth in this Part.

- 1) Sampling: Samples collected for analyses shall be one-liter taken into a one-liter container at a location and time such that the sample will be representative of the coating as applied (i.e., the sample shall include any dilution solvent or other VOM added during the manufacturing process). The container must be tightly sealed immediately after the sample is taken. Any solvent or other VOM added after the sample is taken must be measured and accounted for in the calculations in subsection (a)(3) of this Section. For multiple package coatings, separate samples of each component shall be obtained. A mixed sample shall not be obtained as it will cure in the container. Sampling procedures shall follow the guidelines

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presented in:

- A) ASTM D3925-81(1985) standard practice for sampling liquid paints and related pigment coating. This practice is incorporated by reference in Section 218.112 of this Part.
- B) ASTM E300-86 standard practice for sampling industrial chemicals. This practice is incorporated by reference in Section 218.112 of this Part.

- 2) Analyses: The applicable analytical methods specified below shall be used to determine the composition of coatings, inks, or fountain solutions as applied.

- A) Method 24 of 40 CFR 60, Appendix A, incorporated by reference in Section 218.112 of this Part, shall be used to determine the VOM content and density of coatings. If it is demonstrated to the satisfaction of the Agency and the USEPA that plant coating formulation data are equivalent to Method 24 results, formulation data may be used. In the event of any inconsistency between a Method 24 test and a facility's formulation data, the Method 24 test will govern.
- B) Method 24A of 40 CFR Part 60, Appendix A, incorporated by reference in Section 218.112 of this Part, shall be used to determine the VOM content and density of rotogravure printing inks and related coatings. If it is demonstrated to the satisfaction of the Agency and USEPA that the plant coating formulation data are equivalent to Method 24A results, formulation data may be used. In the event of any inconsistency between a Method 24A test and a facility's formulation data, the Method 24A test will govern.
- C) The following ASTM methods are the analytical procedures for determining VOM:
 - i) ASTM D1475-85: Standard test method for density of paint, varnish, lacquer and related products. This test method is

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methods for analysis of and testing of industrial chemicals. This practice is incorporated by reference in Section 218.112 of this Part.

- ix) ASTM D2372-85: Standard method of separation of vehicle from solvent-reducible paints. This method is incorporated by reference in Section 218.112 of this Part.

- D) Use of an adaptation to any of the analytical methods specified in subsections (a)(2)(A), (B), and (C) of this Section may not be used unless approved by the Agency and USEPA. An owner or operator must submit sufficient documentation for the Agency and USEPA to find that the analytical methods specified in subsections (a)(2)(A), (B), and (C) of this Section will yield inaccurate results and that the proposed adaptation is appropriate.

- 3) Calculations: Calculations for determining the VOM content, water content and the content of any compounds which are specifically exempted from the definition of VOM of coatings, inks and fountain solutions as applied shall follow the guidance provided in the following documents:-i

- A) "A Guide for Surface Coating Calculation", EPA-340/1-86-016, incorporated by reference in Section 218.112 of this Part.
- B) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink and Other Coatings" (revised June 1986), EPA-450/3-84-019, incorporated by reference in Section 218.112 of this Part.

- C) "A Guide for Graphic Arts Calculations", August 1988, EPA-340/1-88-003, incorporated by reference in Section 218.112 of this Part.

- b) Automobile or Light-Duty Truck Test Protocol

- 1) The protocol for testing, including determining the transfer efficiency, of coating applicators, at primer surfacer operations and topcoat coating

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incorporated by reference in Section 218.112 of this Part.

- ii) ASTM D2369-87: Standard test method for volatile content of a coating. This test method is incorporated by reference in Section 218.112 of this Part.

- iii) ASTM D3792-86: Standard test method for water content of water-reducible paints by direct injection into a gas chromatograph. This test method is incorporated by reference in Section 218.112 of this Part.

- iv) ASTM D4017-81(1987): Standard test method for water content in paints and paint materials by the Karl Fischer method. This test method is incorporated by reference in Section 218.112 of this Part.

- v) ASTM D4457-85: Standard test method for determination of dichloromethane and 1,1,1, trichloroethane in paints and coatings by direct injection into a gas chromatograph. (The procedure delineated above can be used to develop protocols for any compounds specifically exempted from the definition of VOM.) This test method is incorporated by reference in Section 218.112 of this Part.

- vi) ASTM D2697-86: Standard test method for volume non-volatile matter in clear or pigmented coatings. This test method is incorporated by reference in Section 218.112 of this Part.

- vii) ASTM D3980-87: Standard practice for interlaboratory testing of paint and related materials. This practice is incorporated by reference in Section 218.112 of this Part.

- viii) ASTM E180-85: Standard practice for determining the precision data of ASTM

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operations at an automobile or light-duty truck assembly facility source shall follow the procedures in "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations" ("Topcoat protocol"), December 1988, EPA-450/3-88-018, incorporated by reference in Section 218.112 of this Part.

2) Prior to testing pursuant to the topcoat protocol, the owner or operator of a coating operation subject to the topcoat or primer surfacer limit in Sections 218.204(a)(2) or 218.204(a)(3) shall submit a detailed testing proposal specifying the method by which testing will be conducted and how compliance will be demonstrated consistent with the topcoat protocol. The proposal shall include, at a minimum, a comprehensive plan (including a rationale) for determining the transfer efficiency at each booth through the use of in-plant or pilot testing, the selection of coatings to be tested (for the purpose of determining transfer efficiency) including the rationale for coating groupings, the method for determining the analytic VOM content of as applied coatings and the formulation solvent content of as applied coatings, and a description of the records of coating VOM content as applied and coating's usage which will be kept to demonstrate compliance. Upon approval of the proposal by the Agency and USEPA, the compliance demonstration for a coating line may proceed.

c) Capture System Efficiency Test Protocols

1) Applicability

The requirements of subsection (c)(2) of this Section shall apply to all VOM emitting processes emission units employing capture equipment (e.g., hoods, ducts), except those cases noted below.

A) If an source-installation unit is equipped with (or uses) a permanent total enclosure (PTE) that meets Agency and USEPA specifications, and which directs all VOM to a control device, then the source-installation unit is exempted from the requirements

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described in subsection (c)(2) of this Section. The Agency and USEPA specifications to determine whether a structure is considered a PTE are given in Procedure T of Appendix B of this Part. In this instance, the capture efficiency is assumed to be 100 percent and the source-installation unit is still required to measure control efficiency using appropriate test methods as specified in subsection (d) of this Section.

B) If an source-installation unit is equipped with (or uses) a control device designed to collect and recover VOM (e.g., carbon adsorber), an explicit measurement of capture efficiency is not necessary provided that the conditions given below are met. The overall control of the system can be determined by directly comparing the input liquid VOM to the recovered liquid VOM. The general procedure for use in this situation is given in 40 CFR 60.433, incorporated by reference in Section 218.112 of this Part, with the following additional restrictions:

i) The source must be able to equate solvent usage with solvent recovery on a 24-hour (daily) basis, rather than a 30-day weighted average, within 72 hours following the 24-hour period. In addition, one of the following two criteria must be met: Unless otherwise specified in subsection (c)(1)(B)(ii) below, the owner or operator shall obtain data each operating day for the solvent usage and solvent recovery to permit the determination of the solvent recovery efficiency of the system each operating day using a 7-day rolling period. The recovery efficiency for each operating day is computed as the ratio of the total recovered solvent for that day and the most recent prior 6 operating days to the total solvent usage for the same 7-day period used for the recovered solvent, rather than a 30-day weighted average as given in 40 CFR 60.433 incorporated by reference at

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Section 218.112 of this Part. This ratio shall be expressed as a percentage. The ratio shall be computed within 72 hours following each 7-day period. A source that believes that the 7-day rolling period is not appropriate may use an alternative multi-day rolling period not to exceed 30 days, with the approval of the Agency and USEPA. In addition, the criteria in subsection (c)(1)(B)(iii) or subsection (c)(1)(B)(iv) below must be met.

ii)

The owner or operator of the source engaged in printing located at 350 E. 22nd Street, Chicago, Illinois, shall obtain data each operating day for the solvent usage and solvent recovery to permit the determination of the solvent recovery efficiency of the system each operating day using a 14-day rolling period. The recovery efficiency for each operating day is computed as the ratio of the total recovered solvent for that day and the most recent prior 13 operating days to the total solvent usage for the same 14-day period used for the recovered solvent, rather than a 30-day weighted average as given in 40 CFR 60.433, incorporated by reference in Section 218.112 of this Part. This ratio shall be expressed as a percentage. The ratio shall be computed within 17 days following each 14-day period. In addition, the criteria in subsection (c)(1)(B)(iii) or subsection (c)(1)(B)(iv) below must be met.

iii)iii)

The solvent recovery system (i.e., capture and control system) must be dedicated to a single coating line, printing line, or other discrete activity that by itself is subject to an applicable VOM emission standard, process line (e.g., one-process line venting to a carbon adsorber system), or

iii)iv)

If the solvent recovery system controls

more than one coating line, printing line or other discrete activity that by itself is subject to an applicable VOM emission standard, the overall control (i.e. the total recovered VOM divided by the sum of liquid VOM input from all lines and other activities venting to the control system) must meet or exceed the most stringent standard applicable to any line or other discrete activity venting to the control system. Multiple process lines, then the source must be able to demonstrate that the overall control (i.e., the total recovered solvent VOM divided by the sum of liquid VOM input to all process lines venting to the control system) meets or exceeds the most stringent standard applicable for any process line venting to the control system.

2) Specific Requirements

The capture efficiency of an process-line emission unit shall be measured using one of the four protocols given below. Any error margin associated with a test protocol may not be incorporated into the results of a capture efficiency test. If these techniques are not suitable for a particular process, then the source may use an alternative capture efficiency protocol may be used, provided that the alternative protocol is approved by the Agency and approved by the USEPA as a SIP revision.

- A) Gas/gas method using temporary total enclosure (TTE). The Agency and USEPA specifications to determine whether a temporary enclosure is considered a TTE are given in Procedure T of Appendix B of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = Gw / (Gw + Fw)$$

where:

CE = Capture efficiency, decimal

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fraction;

$G_w =$ Mmass of VOM captured and delivered to control device using a TTE;

$F_w =$ Mmass of fugitive VOM that escapes from a TTE.

Procedure G.2 contained in Appendix B of this Part is used to obtain G_w . Procedure F.1 in Appendix B of this Part is used to obtain F_w .

B) Liquid/gas method using TTE. The Agency and USEPA specifications to determine whether a temporary enclosure is considered a TTE are given in Procedure T of Appendix B of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = (L - F_w) / L$$

where:

$CE =$ Capture efficiency, decimal fraction;

$L =$ Mmass of liquid VOM input to process emission unit;

$F_w =$ Mmass of fugitive VOM that escapes from a TTE.

Procedure L contained in Appendix B of this Part is used to obtain L. Procedure F.1 in Appendix B of this Part is used to obtain F_w .

C) Gas/gas method using the building or room (building or room enclosure), in which the affected coating line, printing line or other seareeemission unit is located, as the enclosure and in which "F" and "G" are measured while operating only the affected line or faeilityemission unit. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

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$$CE = G / (G + F_B)$$

where:

$CE =$ Capture efficiency, decimal fraction;

$G =$ Mmass of VOM captured and delivered to control device;

$F_B =$ Mmass of fugitive VOM that escapes from building enclosure.

Procedure G.2 contained in Appendix B of this Part is used to obtain G. Procedure F.2 in Appendix B of this Part is used to obtain F_B .

D) Liquid/gas method using the building or room (building or room enclosure), in which the affected coating line, printing line or other seareeemission unit is located, as the enclosure and in which "F" and "L" are measured while operating only the affected line or faeilityemission unit. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

$$CE = (L - F_B) / L$$

where:

$CE =$ Capture efficiency, decimal fraction;

$L =$ Mmass of liquid VOM input to process emission unit;

$F_B =$ Mmass of fugitive VOM that escapes from building enclosure.

Procedure L contained in Appendix B of this Part is used to obtain L. Procedure F.2 in Appendix B of this Part is used to obtain F_B .

3) Recordkeeping and Reporting

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- A) All affected facilities owners or operators affected by this subsection must maintain a copy of the capture efficiency protocol submitted to the Agency and the USEPA on file. All results of the appropriate test methods and capture efficiency protocols must be reported to the Agency within sixty (60) days of the test date. A copy of the results must be kept on file with the source for a period of three (3) years.
- B) If any changes are made to capture or control equipment, then the source is required to notify the Agency and the USEPA of these changes and a new test may be required by the Agency or the USEPA.
- C) The source must notify the Agency 30 days prior to performing any capture efficiency or control test. At that time, the source must notify the Agency which capture efficiency protocol and control device test methods will be used.
- D) Sources utilizing a PTE must demonstrate that this enclosure meets the requirement given in Procedure T (in Appendix B of this Part) for a PTE during any testing of their control device.
- E) Sources utilizing a TTE must demonstrate that their TTE meets the requirements given in Procedure T (in Appendix B of this Part) for a TTE during testing of their control device. The source must also provide documentation that the quality assurance criteria for a TTE have been achieved.
- d) Control Device Efficiency Testing and Monitoring
- 1) The control device efficiency shall be determined by simultaneously measuring the inlet and outlet gas phase VOM concentrations and gas volumetric flow rates in accordance with the gas phase test methods specified in subsection (f) of this Section.
 - 2) Any owner or operator:

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- A) That uses an afterburner or carbon adsorber to comply with any Section of this Part 218 shall use Agency and USEPA approved continuous monitoring equipment which is installed, calibrated, maintained, and operated according to vendor specifications at all times the afterburner or carbon adsorber is in use except as provided in subsection (d)(3) of this Section. The continuous monitoring equipment must monitor the following parameters:
- i) For each afterburner which does not have a catalyst bed, the combustion chamber temperature of each afterburner.
 - ii) For each afterburner which has a catalyst bed, commonly known as a catalytic afterburner, the temperature rise across each catalytic afterburner bed or VOM concentration of exhaust.
 - iii) For each carbon adsorber, the VOM concentration of each carbon adsorption bed exhaust or the exhaust of the bed next in sequence to be desorbed.
- B) Of an automobile or light-duty truck primer surfacer operation or topcoat operation subject to subsection (d)(2)(A) above, shall keep a separate record of the following data for the control devices, unless alternative provisions are set forth in a permit pursuant to Title V of the Clean Air Act:
- i) For thermal afterburners for which combustion chamber temperature is monitored, all 3-hour periods of operation in which the average combustion temperature was more than 28°C (50°F) below the average combustion temperature measured during the most recent performance test that demonstrated that the operation was in compliance.
 - ii) For catalytic afterburners for which temperature rise is monitored, all

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- C) The period of such adsorber operation does not exceed 360 hours in any calendar year without the approval of the Agency and USEPA; and
- D) The total of all hours in the calendar year during which the adsorber was operated and the associated monitoring equipment was not operational shall be reported, in writing, to the Agency and USEPA by January 31st of the following calendar year.

e) Overall Efficiency

- 1) The overall efficiency of the emission control system shall be determined as the product of the capture system efficiency and the control device efficiency or by the liquid/liquid test protocol as specified in 40 CFR 60.433, incorporated by reference in Section 218.112 of this Part, (and revised by subsection (c)(1)(B) of this Section) for each solvent recovery system. In those cases in which the overall efficiency is being determined for an entire line, the capture efficiency used to calculate the product of the capture and control efficiency is the total capture efficiency over the entire line.

- 2) For coating lines which are both chosen by the owner or operator to comply with Section 218.207(a)(c), (d), (e), (f), or (g) of this Part by the alternative in Section 218.207(b)(2) of this Part and meet the criteria allowing them to comply with Section 218.207 of this Part instead of Section 218.204 of this Part, the overall efficiency of the capture system and control device, as determined by the test methods and procedures specified in subsections (c), (d) and (e)(1) of this Section, shall be no less than the equivalent overall efficiency which shall be calculated by the following equation:

$$E = \frac{([VOM_e - VOM_1]/VOM_e) \times 100}{\text{where:}}$$

- E = Equivalent overall efficiency of the

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3-hour periods of operation in which the average gas temperature before the catalyst bed is more than 28°C (50°F) below the average gas temperature immediately before the catalyst bed measured during the most recent performance test that demonstrated that the operation was in compliance.

- iii) For catalytic afterburners and carbon adsorbers for which VOM concentration is monitored, all 3-hour periods of operation during which the average VOM concentration or the reading of organics in the exhaust gases is more than 20 percent greater than the average exhaust gas concentration or reading measured by the organic monitoring device during the most recent determination of the recovery efficiency of a carbon adsorber or performance test for a catalytic afterburner, which determination or test demonstrated that the operation was in compliance.

- 3) An owner or operator that uses a carbon adsorber to comply with Section 218.401 of this Part may operate the adsorber during periods of monitoring equipment malfunction, provided that:

- A) The owner or operator notifies in writing the Agency and USEPA within, 10 days after the conclusion of any 72 hour period during which the adsorber is operated and the associated monitoring equipment is not operational, of such monitoring equipment failure and provides the duration of the malfunction, a description of the repairs made to the equipment, and the total to date of all hours in the calendar year during which the adsorber was operated and the associated monitoring equipment was not operational;

- B) During such period of malfunction the adsorber is operated using timed sequences as the basis for periodic regeneration of the adsorber;

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capture system and control device as a percentage^{7.i}

VOM_i = Actual VOM content of a coating, or the daily-weighted average VOM content of two or more coatings (if more than one coating is used), as applied to the subject coating line as determined by the applicable test methods and procedures specified in subsection (a) of this Section in units of kg VOM/l (lb VOM/gal) of coating solids as applied^{7.i}

VOHM_i = The VOM emission limit specified in Sections ~~218.207(a)~~ or ~~(b)~~ 218.204 or 218.205 of this Part in units of kg VOM/l (lb VOM/gal) of coating solids as applied.

- f) Volatile Organic Material Gas Phase Source Test Methods
- The methods in 40 CFR Part 60, Appendix A, incorporated by reference in Section 218.112 of this Part delineated below shall be used to determine control device efficiencies.

1) 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, incorporated by reference in Section 218.112 of this Part as appropriate to the conditions at the site, shall be used to determine VOM concentration. Method selection shall be based on consideration of the diversity of organic species present and their total concentration and on consideration of the potential presence of interfering gases. Except as indicated in subsections (f)(1)(A) and (B) below, the test shall consist of three separate runs, each lasting a minimum of 60 min, unless the Agency and the USEPA determine that process variables dictate shorter sampling times.

A) When the method is to be used to determine the efficiency of a carbon adsorption system with a common exhaust stack for all the individual adsorber vessels, the test shall consist of three separate runs, each

coinciding with one or more complete sequences through the adsorption cycles of all the individual adsorber vessels.

B) When the method is to be used to determine the efficiency of a carbon adsorption system with individual exhaust stacks for each adsorber vessel, each adsorber vessel shall be tested individually. The test for each adsorber vessel shall consist of three separate runs. Each run shall coincide with one or more complete adsorption cycles.

- 2) 40 CFR Part 60, Appendix A, Method 1 or 1A, incorporated by reference in Section 218.112 of this Part, shall be used for sample and velocity traverses.
- 3) 40 CFR Part 60, Appendix A, Method 2, 2A, 2C or 2D, incorporated by reference in Section 218.112 of this Part, shall be used for velocity and volumetric flow rates.
- 4) 40 CFR Part 60, Appendix A, Method 3, incorporated by reference in Section 218.112 of this Part, shall be used for gas analysis.
- 5) 40 CFR Part 60, Appendix A, Method 4, incorporated by reference in Section 218.112 of this Part, shall be used for stack gas moisture.
- 6) 40 CFR Part 60, Appendix A, Methods 2, 2A, 2C, 2D, 3 and 4, incorporated by reference in Section 218.112 of this Part, shall be performed, as applicable, at least twice during each test run.
- 7) Use of an adaptation to any of the test methods specified in subsections (f)(1), (2), (3), (4), (5) and (6) of this Section may not be used unless approved by the Agency and the USEPA on a case by case basis. An owner or operator must submit sufficient documentation for the Agency and the USEPA to find that the test methods specified in subsections (f)(1), (2), (3), (4), (5) and (6) of this Section will yield inaccurate results and that the proposed adaptation is appropriate.
- 9) Leak Detection Methods for Volatile Organic Material

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Owners or operators required by this Part to carry out a leak detection monitoring program shall comply with the following requirements:

- 1) Leak Detection Monitoring
 - A) Monitoring shall comply with 40 CFR 60, Appendix A, Method 21, incorporated by reference in Section 218.112 of this Part.
 - B) The detection instrument shall meet the performance criteria of Method 21.
 - C) The instrument shall be calibrated before use on each day of its use by the methods specified in Method 21.
 - D) Calibration gases shall be:
 - i) Zero air (less than 10ppm of hydrocarbon in air); and
 - ii) A mixture of methane or n-hexane and air at a concentration of approximately, but no less than, 10,000 ppm methane or n-hexane.
 - E) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21.
- 2) When equipment is tested for compliance with no detectable emissions as required, the test shall comply with the following requirements:
 - A) The requirements of subsections (g)(1)(A) through (g)(1)(E) of this Section above shall apply.
 - B) The background level shall be determined as set forth in Method 21.
- 3) Leak detection tests shall be performed consistent with:
 - A) "APTI Course SI 417 controlling Volatile Organic Compound Emissions from Leaking

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Process Equipment", EPA-450/2-82-015, incorporated by reference in Section 218.112 of this Part.

- B) "Portable Instrument User's Manual for Monitoring VOC Sources", EPA-340/1-86-015, incorporated by reference in Section 218.112 of this Part.
- C) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOC and VHAP", EPA-450/3-88-010, incorporated by reference in Section 218.112 of this Part.
- D) "Petroleum Refinery Enforcement Manual", EPA-340/1-80-008, incorporated by reference in Section 218.112 of this Part.
- h) Bulk Gasoline Delivery System Test Protocol
 - 1) The method for determining the emissions of gasoline from a vapor recovery system are delineated in 40 CFR 60, Subpart XX, Section 60.503, incorporated by reference in Section 218.112 of this Part.
 - 2) Other tests shall be performed consistent with:
 - A) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", EPA-340/1-80-012, incorporated by reference in Section 218.112 of this Part.
 - B) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals: Appendix A", EPA-450/2-77-026, incorporated by reference in Section 218.112 of this Part.
 - i) Notwithstanding other requirements of this Part, upon request of the Agency where it is necessary to demonstrate compliance, an owner or operator of an emission source unit which is subject to this Part shall, at his own expense, conduct tests in accordance with the applicable test methods and procedures specific in this Part. Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

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1) Stage II Gasoline Vapor Recovery Test Methods

The methods for determining the acceptable performance of Stage II Gasoline Vapor Recovery System are delineated in "Technical Guidance-Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities," found at EPA 450/3-91-022b and incorporated by reference in Section 218.112 of this Part. Specifically, the test methods are as follows:

- 1) Dynamic Backpressure Test is a test procedure used to determine the pressure drop (flow resistance) through balance vapor collection and control systems (including nozzles, vapor hoses, swivels, dispenser piping, and underground piping) at prescribed flow rates.
- 2) Pressure Decay/Leak Test is a test procedure used to quantify the vapor tightness of a vapor collection and control system installed at gasoline dispensing facilities.
- 3) Liquid Blockage Test is a test procedure used to detect low points in any vapor collection and control system where condensate may accumulate.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.106 Compliance Dates

- a) Compliance with the requirements of all rules is required by July, 1991, or September 1, 1991, for all sources located in Cook, DuPage, Kane, Lake, McHenry or Will Counties, consistent with the appropriate provisions of Section 218.103 of this Part.
- b) Compliance with the requirements of this Part is required by November 15, 1993, for all sources located in Aux Sable Township or Goose Lake Township in Grundy County or in Oswego Township in Kendall County.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.107 Operation of Afterburners

The operation of any natural gas fired afterburner and capture system used to comply with this Part is not required during the

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period of November 1 of any year to April 1 of the following year provided that the operation of such devices is not required for purposes of occupational safety or health, or for the control of toxic substances, odor nuisances, or other regulated pollutants.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.109 Vapor Pressure of Volatile Organic Liquids

- a) If the VOL consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112 of this Part) or the vapor pressure may be obtained from a published ~~source~~ publication such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the VOL is a mixture, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112) or by the following equation:

$$P_{\text{vol}} = \sum_{i=1}^n P_i X_i$$

where:

P_{vol} = Total vapor pressure of the mixture_{7i}

n = Number of components in the mixture_{7i}

i = Subscript denoting an individual component_{7i}

P_i = Vapor pressure of a component determined in accordance with Subpart A of this Part~~subsection (a) of this Section.~~

X_i = Mole fraction of the component in the total mixture.

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(Source: Amended at Ill. Reg. _____, effective _____)
Section 218.110 Vapor Pressure of Organic Material or Solvent

- a) If the organic material or solvent consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112 of this Part) or the vapor pressure may be obtained from a ~~published source~~ publication such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the organic material or solvent is in a mixture made up of both organic material compounds and compounds which are not organic material, the vapor pressure shall be determined by the following equation:

$$P_{\text{vom}} = \frac{\sum_{i=1}^n P_i X_i}{\sum_{i=1}^n X_i}$$

where:

- P_{om} = Total vapor pressure of the portion of the mixture which is composed of organic material;_i
- n = Number of organic material components in the mixture;_i
- i = Subscript denoting an individual component;_i
- P_i = Vapor pressure of an organic material component determined in accordance with ~~Subpart A of this Part~~ subsection (a) of this Section;_i

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X_i = Mole fraction of the organic material component of the total mixture.

- c) If the organic material or solvent is in a mixture made up of only organic material compounds, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112 of this Part) or by the above equation.

(Source: Amended at Ill. Reg. _____, effective _____)
Section 218.111 Vapor Pressure of Volatile Organic Material

- a) If the VOM consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112 of this Part) or the vapor pressure may be obtained from a ~~published source~~ publication such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the VOM is in a mixture made up of both VOM compounds and compounds which are not VOM, the vapor pressure shall be determined by the following equation:

$$P_{\text{vom}} = \frac{\sum_{i=1}^n P_i X_i}{\sum_{i=1}^n X_i}$$

where:

- P_{vom} = Total vapor pressure of the portion of the mixture which is composed of VOM;_i
- n = Number of VOM components in the mixture;_i
- i = Subscript denoting an individual component;_i

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P_i = Vapor pressure of a VOM component determined in accordance with ~~Subpart A of this Part~~ subsection (a) of this Section.

X_i = Mole fraction of the VOM component of the total mixture.

- c) If the VOM is in a mixture made up of only VOM compounds, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112 of this Part) or by the above equation.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.112 Incorporations by Reference

The following materials are incorporated by reference and do not contain any subsequent additions or amendments:

- a) American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103:

- 1) ASTM D2879-86
- 2) ASTM D323-82
- 3) ASTM D86-82
- 4) ASTM D-369-69 (1971)
- 5) ASTM D-396-69
- 6) ASTM D2880-71
- 7) ASTM D-975-68
- 8) ASTM D3925-81 (1985)
- 9) ASTM E300-86
- 10) ASTM D1475-85
- 11) ASTM D2369-87
- 12) ASTM D3792-86
- 13) ASTM D4017-81 (1987)
- 14) ASTM D4457-85
- 15) ASTM D2697-86
- 16) ASTM D3980-87
- 17) ASTM E180-85
- 18) ASTM D2372-85
- 19) ASTM D97-66
- 20) ASTM E-168-67 (1977)
- 21) ASTM E-169-87
- 22) ASTM E-260-91
- 23) ASTM D2504-83
- 24) ASTM D2382-83

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- 25) ASTM D323-82 (approved 1982)

- b) Standard Industrial Classification Manual, published by Executive Office of the President, Office of Management and Budget, Washington, D.C., 1987.
- c) American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating Roof Tanks", Second ed., February, 1980.
- d) 40 CFR Part 60 (July 1, ~~1990~~1991) and 40 CFR 60, Appendix A, Method 24 (57 FR 30654, July 10, 1992).
- e) 40 CFR Part 61 (July 1, ~~1990~~1991).
- f) 40 CFR Part 50 (July 1, ~~1989~~1991).
- g) 40 CFR Part 51 (July 1, ~~1989~~1991).
- h) 40 CFR Part 52 (July 1, ~~1989~~1991).
- i) 40 CFR Part 80 (July 1, 1991).
- j) "A Guide for Surface Coating Calculation", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.
- k) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink and Other Coating", (Revised June 1986), United States Environmental Protection Agency, Washington D.C., EPA-450/3-84-019.
- l) "A Guide for Graphic Arts Calculations", August 1988, United States Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.
- m) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", December 1988, United States Environmental Protection Agency, Washington D.C., EPA-450/3-88-018.
- n) "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-029.
- o) "Control of Volatile Organic Compound Leaks from

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Gasoline Tank Trucks and Vapor Collection Systems", Appendix B, United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051.

- e) "Control of Volatile Organic Compound Emissions from Large Petroleum Dry Cleaners", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-82-009.

- g) "API Course SI417 Controlling Volatile Organic Compound Emissions from Leaking Process Equipment", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-82-015.

- h) "Portable Instrument User's Manual for Monitoring VOC Sources", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-015.

- g) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOC and VHAP", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-88-010.

- t) "Petroleum Refinery Enforcement Manual", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.

- u) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-012.

- v) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals: Appendix A", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-77-026.

- w) "Technical Guidance-Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-91-022b.

- x) California Air Resources Board, Compliance Division, Compliance Assistance Program: Gasoline Marketing and Distribution: Gasoline Facilities Phase I & II (October 1988, rev. March 1991) (CARB Manual).

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section 218.121

Storage Containers

No person shall cause or allow the storage of any VOL with a vapor pressure of 17.24 kpa (2.5 psia) or greater at 294.3°K (70°F) or any gaseous organic material in any stationary tank, reservoir or other container of more than 151 cubic meters (40,000 gal) capacity unless such tank, reservoir or other container:

- a) Is a pressure tank capable of withstanding the vapor pressure of such liquid or the pressure of the gas, so as to prevent vapor or gas loss to the atmosphere at all times; or,

- b) Is designed and equipped with one of the following vapor loss control devices:

- 1) A floating roof which rests on the surface of the VOL and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the VOL has a vapor pressure of 86.19 kpa (12.5 psia) or greater at 294.3°K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.

- 2) A vapor recovery system consisting of:

- A) A vapor gathering system capable of collecting 85% or more of the uncontrolled VOM that would be otherwise emitted to the atmosphere; and,
- B) A vapor disposal system capable of processing such VOM so as to prevent its emission to the atmosphere. No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tank, reservoir or other container except during sampling.
- 3) Other equipment or means of equal efficiency approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed

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consistent with Section 218.108.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.122 Loading Operations

- a) No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere during the loading of any organic material from the aggregate loading pipes of any loading facility area having through-put of greater than 151 cubic meters per day (40,000 gal/day) into any railroad tank car, tank truck or trailer unless such loading facility area is equipped with submerged loading pipes, submerged fill or a device that is equally effective in controlling emissions and is approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 218.108.
- b) No person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 l (250 gal), unless such tank is equipped with a permanent submerged loading pipe, submerged fill or an equivalent device approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 218.108 of this Part, or unless such tank is a pressure tank as described in Section 218.121(a) of this Part or is fitted with a recovery system as described in Section 218.121(b)(2) of this Part.

- c) Exception: If no odor nuisance exists the limitations of this Section shall only apply to the loading of VOL with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F).

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.123 Petroleum Liquid Storage Tanks

- a) The requirements of subsection (b) of this Section shall not apply to any stationary storage tank:

- 1) Equipped before January 1, 1979 with one of the vapor loss control devices specified in Section 218.121(b) of this Part, except Section 218.121(b)(1) of this Part;

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- 2) With a capacity of less than 151.42 cubic meters (40,000 gal);
 - 3) With a capacity of less than 1,600 cubic meters (422,400 gal) and used to store produced crude oil and condensate prior to custody transfer;
 - 4) With a capacity of less than 1,430 cubic meters (378,000 gal) and used to store produced oil or condensate in crude oil gathering;
 - 5) Subject to new source performance standards for storage vessels of petroleum liquid, 35 Ill. Adm. Code 230 40 CFR 60, as regulations promulgated by the U.S. Environmental Protection Agency under Section III of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION III OF THE CLEAN AIR ACT ... ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER [THE ENVIRONMENTAL PROTECTION ACT] (Ill. Rev. Stat. 1991, ch. 111 1/2, Par. 1009.1(b)) [415 ILCS 5/9.1(b)];
 - 6) In which volatile petroleum liquid is not stored; or
 - 7) Which is a pressure tank as described in Section 218.121(a) of this Part.
- b) Subject to subsection (a) of this Section no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless:
- 1) The tank is equipped with one of the vapor loss control devices specified in Section 218.121(b) of this Part;
 - 2) There are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof;
 - 3) All openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:
 - A) The cover, lid or seal is in the closed position at all times except when petroleum liquid is transferred to or from the tank;

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- B) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and
- C) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting;
- 4) Routine inspections of floating roof seals are conducted through roof hatches once every six months;
- 5) A complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect; and
- 6) A record of the results of each inspection conducted under subsection (b)(4) or (b)(5) of this Section is maintained.

c) Owners and operators of petroleum liquid storage tanks were required to have compliance schedules as summarized in ~~Appendix G to~~ 35 Ill. Adm. Code ~~245218~~ Appendix C.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.124 External Floating Roofs

- a) In addition to meeting the requirements of Section 218.123(b) of this Part, no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:
- 1) The tank has been fitted:
 - A) With a continuous secondary seal extending from the floating roof to the tank wall (rim mounted secondary seal), or
 - B) With any other device which controls VOC emissions with an effectiveness equal to or

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~~greater than a rim-mounted secondary seal/equipment or means of equal efficiency approved by the Agency according to the provisions of 35 Ill. Adm. Code 210, and further processed consistent with Section 218.108 of this Part;~~

- 2) Each seal closure device meets the following requirements:
- A) The seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and tank wall; and
 - B) The accumulated area of gaps exceeding 0.32 centimeter (1/8 inch) in width between the secondary seal and the tank wall shall not exceed 21.2 square centimeters per meter of tank diameter (1.0 square inches per foot of tank diameter). Compliance with this requirement shall be determined by:
 - i) Physically measuring the length and width of all gaps around the entire circumference of the secondary seal in each place where a 0.32 cm (0.125 in.) uniform diameter probe passes freely (without forcing or binding against the seal) between the seal and the tank wall; and
 - ii) Summing the area of the individual gaps.
- 3) Emergency roof drains are provided with slotted membrane fabric covers or equivalent covers across at least 90 percent of the area of the opening;
 - 4) Openings are equipped with projections into the tank which remain below the liquid surface at all times;
 - 5) Inspections are conducted prior to May 1 of each year to insure compliance with subsection (a) of this Section;
 - 6) The secondary seal gap is measured prior to May 1 of each year, and within 30 days of a written request to demonstrate compliance with subsection

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(2)(B) of this Section:

- 7) Records of the types of volatile petroleum liquid stored, the maximum true vapor pressure of the liquid as stored, the results of the inspections and the results of the secondary seal gap measurements are maintained and available to the Agency, upon verbal or written request, at any reasonable time for a minimum of two years after the date on which the record was made.
- b) Subsection (a) above does not apply to any stationary storage tank equipped with an external floating roof:
 - 1) Exempted under Section 218.123(a) (2) through 218.123(a) (6) of this Part;
 - 2) Of welded construction equipped with a metallic type shoe seal having a secondary seal from the top of the shoe seal to the tank wall (shoe-mounted secondary seal);
 - 3) Of welded construction equipped with a metallic type shoe seal, a liquid-mounted foam seal, a liquid-mounted liquid-filled-type seal, or other closure device of equivalent control efficiency approved by the Agency in which a petroleum liquid with a true vapor pressure less than 27.6 kPa (4.0 psia) at 294.3°K (70° F) is stored; or
 - 4) Used to store crude oil with a pour point of 50°F or higher as determined by ASTM Standard D97-66 incorporated by reference in Section 218.112 of this Part.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.125 Compliance Dates (Repealed)

~~Every owner or operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart B, as of December 31, 1987 shall have complied with its standards and limitations by December 31, 1987.~~

(Source: Repealed at ___ Ill. Reg. ____, effective ____)

Section 218.126 Compliance Plan (Repealed)

- a) ~~The owner or operator of an emission source previously~~

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~~subject to Section 215.125 shall have submitted to the Agency a compliance plan as required by 35 Ill. Adm. Code 201.241, including a project completion schedule where applicable, no later than April 21, 1987.~~

- b) ~~Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source subject to the rules specified in subsection (a) may operate the emission source according to the plan and schedule as submitted.~~

- e) ~~The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.241 including specific interim dates as required in 35 Ill. Adm. Code 201.242.~~

(Source: Repealed at ___ Ill. Reg. ____, effective ____)

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

Section 218.141 Separation Operations

- a) No person shall use any single or multiple compartment effluent water separator which receives effluent water containing 757 l/day (200 gal/day) or more of organic material from any equipment processing, refining, treating, storing or handling organic material unless such effluent water separator is equipped with air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. Exception: If no odor nuisance exists the limitations of this subsection shall not apply if the vapor pressure of the organic material is below 17.24 kPa (2.5 psia) at 294.3°K (70°F).

- b) Subsection (a) of this Section shall not apply to water and crude oil separation in the production of Illinois crude oil, if the vapor pressure of such crude oil is less than 34.5 kPa (5 psia).

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.143 Vapor Blowdown

No person shall cause or allow the emission of organic material into the atmosphere from any vapor blowdown system or any safety relief valve, except such safety relief valves not capable of causing an excessive release, unless such emission is controlled:

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- a) To 10 ppm equivalent methane (molecular weight 16.0) or less; or,
- b) By combustion in a smokeless flare; or,
- c) By other air pollution control equipment approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 218.108 of this Part.

- d) Proof, at three-year intervals, using such three-year historical records, that such set conforms to the requirements of subsection (c) of this Section.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART E: SOLVENT CLEANING

Section 218.181 Solvent Cleaning in General

The requirements of this Subpart shall apply to all cold cleaning, open top vapor degreasing, and conveyORIZED degreasing operations which use volatile organic materials.

(Source: Amended at ___ Ill. Reg. ___, effective ___)
Section 218.182 Cold Cleaning

- a) Operating Procedures: No person shall operate a cold cleaning degreaser unless:
 - 1) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
 - 2) The cover of the degreaser is closed when parts are not being handled; and
 - 3) Parts are drained until dripping ceases.
- b) Equipment Requirements: No person shall operate a cold cleaning degreaser unless:
 - 1) The degreaser is equipped with a cover which is closed whenever parts are not being handled in the cleaner. The cover shall be designed to be easily operated with one hand or with the mechanical assistance of springs, counter-weights or a powered system if:
 - A) The solvent vapor pressure is greater than 2 kPa (15 mmHg or 0.3 psi) measured at 38°C (100°F);
 - B) The solvent is agitated; or
 - C) The solvent is heated above ambient room

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.144 Safety Relief Valves

Section 218.143 of this Part shall not apply to any set of unregulated safety relief valves capable of causing excessive releases, provided the owner or operator thereof, by October 1, 1972, supplied the Agency with the following:

- a) A historical record of each such set (or, if such records were unavailable, of similar sets which, by virtue of operation under similar circumstances, may reasonably have been presumed to have the same or greater frequency of excessive releases) for a three-year period immediately preceding October 1, 1972, indicating:
 - 1) Dates on which excessive releases occurred from each such set; and,
 - 2) Duration in minutes of each such excessive release; and,
 - 3) Quantities (in pounds) of mercaptans and/or hydrogen sulfide emitted into the atmosphere during each such excessive release.
- b) Proof, using such three-year historical records, that no excessive release is likely to occur from any such set either alone or in combination with such excessive releases from other sets owned or operated by the same person and located within a ten-mile radius from the center point of any such set, more frequently than 3 times in any 12 month period;
- c) Accurate maintenance records pursuant to the requirements of subsection (a) of this Section; and,

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temperature.

- 2) The degreaser is equipped with a faeilitydevice for draining cleaned parts. The drainage faeility device shall be constructed so that parts are enclosed under the cover while draining unless:
 - A) The solvent vapor pressure is less than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F); or
 - B) An internal drainage faeilitydevice cannot be fitted into the cleaning system, in which case the drainage faeilitydevice may be external.
- 3) The degreaser is equipped with one of the following control devices if the vapor pressure of the solvent is greater than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F) or if the solvent is heated above 50°C (120°F) or its boiling point:
 - A) A freeboard height of 7/10 of the inside width of the tank or 91 cm (36 in), whichever is less; or
 - B) Any other equipment or system of equivalent emission control as approved by the Agency and further processed consistent with Section 218.108 of this Part. Such a system may include a water cover, refrigerated chiller or carbon adsorber.
- 4) A permanent conspicuous label summarizing the operating procedure is affixed to the degreaser; and
- 5) If a solvent spray is used, the degreaser is equipped with a solid fluid stream spray, rather than a fine, atomized or shower spray.

(Source: Amended at ___ Ill. Reg. ____, effective _____)

Section 218.183

Open Top Vapor Degreasing

- a) Operating Requirements: No person shall operate an open top vapor degreaser unless:

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- 1) The cover of the degreaser is closed when workloads are not being processed through the degreaser;
- 2) Solvent carryout emissions are minimized by:
 - A) Racking parts to allow complete drainage;
 - B) Moving parts in and out of the degreaser at less than 3.3 m/min (11 ft/min);
 - C) Holding the parts in the vapor zone until condensation ceases;
 - D) Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone; and
 - E) Allowing parts to dry within the degreaser until visually dry.
- 3) Porous or absorbent materials, such as cloth, leather, wood or rope are not degreased;
- 4) Less than half of the degreaser's open top area is occupied with a workload;
- 5) The degreaser is not loaded to the point where the vapor level would drop more than 10 cm (4 in) when the workload is removed from the vapor zone;
- 6) Spraying is done below the vapor level only;
- 7) Solvent leaks are repaired immediately;
- 8) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
- 9) Water is not visually detectable in solvent exiting from the water separator; and
- 10) Exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of degreaser open area is not used, unless necessary to meet the requirements of the Occupational Safety and Health Act (29 U.S.C.

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Section 651 et seq.).

- b) Equipment Requirements: No person shall operate an open top vapor degreaser unless:
- 1) The degreaser is equipped with a cover designed to open and close easily without disturbing the vapor zone;
 - 2) The degreaser is equipped with the following switches:
 - A) A ~~device~~One which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor level; and
 - B) A ~~device~~One which shuts off the spray pump if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil; and
 - C) A ~~device~~One which shuts off the sump heat source when the vapor level exceeds the design level.
 - 3) A permanent conspicuous label summarizing the operating procedure is affixed to the degreaser;
 - 4) The degreaser is equipped with one of the following devices:
 - A) A freeboard height of 3/4 of the inside width of the degreaser tank or 91 cm (36 in), whichever is less; and if the degreaser opening is greater than 1 square meter (10.8 square feet), a powered or mechanically assisted cover; or
 - B) Any other equipment or system of equivalent emission control as approved by the Agency and further processed consistent with Section 218.108 of this Part. Such equipment or system may include a refrigerated chiller, an enclosed design or a carbon adsorption system.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

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Section 218.184 ConveyORIZED Degreasing

- a) Operating Requirements: No person shall operate a conveyORIZED degreaser unless:
- 1) Exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of area of loading and unloading opening is not used, unless necessary to meet the requirements of the Occupational Safety and Health Act (29 U.S.C. Section 651 et seq.);
 - 2) Solvent carryout emissions are minimized by:
 - A) Racking parts for best drainage; and
 - B) Maintaining the vertical conveyor speed at less than 3.3 m/min (11 ft/min);
 - 3) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
 - 4) Solvent leaks are repaired immediately;
 - 5) Water is not visually detectable in solvent exiting from the water separator; and
 - 6) Downtime covers are placed over entrances and exits of conveyORIZED degreasers immediately after the conveyors and exhausts are shut down and not removed until just before start-up.
- b) Equipment Requirements: No person shall operate a conveyORIZED degreaser unless:
- 1) The degreaser is equipped with a drying tunnel, rotating (tumbling) basket or other equipment sufficient to prevent cleaned parts from carrying out solvent liquid or vapor;
 - 2) The degreaser is equipped with the following switches:
 - A) A ~~device~~One which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor

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level;

B) A device which shuts off the spray pump or the conveyor if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil; and

C) A device which shuts off the sump heat source when the vapor level exceeds the design level.

3) The degreaser is equipped with openings for entrances and exits that silhouette workloads so that the average clearance between the parts and the edge of the degreaser opening is less than 10 cm (4 in) or less than 10 percent of the width of the opening;

4) The degreaser is equipped with downtime covers for closing off entrances and exits when the degreaser is shut down; and

5) The degreaser is equipped with one of the following control devices, if the air/vapor interface is larger than 2.0 square meters (21.6 square feet):

A) A carbon adsorption system with ventilation greater than or equal to 15 cubic meters per minute per square meter (50 cubic feet per minute per square foot) of air/vapor area when downtime covers are open, and exhausting less than 25 ppm of solvent by volume averaged over a complete adsorption cycle; or

B) Any other equipment or system of equivalent emission control as approved by the Agency, and further processed consistent with Section 218.108 of this Part. Such equipment or system may include a refrigerated chiller.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.185 Compliance Schedule (Repealed)

~~Every owner or operator of an emission source which was previously exempt from the requirements of Subpart E of 35 Ill. Adm. Code 215 (Sections 215.102-215.104) because it satisfied the~~

~~criteria in either 35 Ill. Adm. Code 215.101(a) or 35 Ill. Adm. Code 215.101(b), shall comply with the requirements of this Subpart on and after a date consistent with Section 218.106. A source which did not satisfy the criteria in either 35 Ill. Adm. Code 215.101(a) or 35 Ill. Adm. Code 215.101(b) shall comply with the requirements of this Subpart on adoption.~~

(Source: Repealed at ___ Ill. Reg. ____, effective ____)

Section 218.186 Test Methods

The following test methods shall be used to demonstrate compliance with this Subpart:

- a) Vapor pressures shall be determined by using the procedure specified in Section 218.110 of this Part.
- b) Exhaust ventilation rates shall be determined by using the procedures specified in Section 218.105(f)(3) of this Part.
- c) The performance of control devices shall be determined by using the procedures specified in Section 218.105(f) of this Part.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

SUBPART F: COATING OPERATIONS

Section 218.204 Emission Limitations for Manufacturing Plants

Except as provided in Sections 218.205, 218.207 and 218.208 of this Part, no owner or operator of a coating line shall apply at any time any coating in which the VOM content exceeds the following emission limitations for the specified coating. The following emission limitations are expressed in units of VOM per volume of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied at each coating applicator, except where noted. Compounds which are specifically exempted from the definition of VOM should be treated as water for the purpose of calculating the "less water" part of the coating composition. Compliance with this Subpart must be demonstrated through the applicable coating analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(c) of this Part except where noted. (Note: The equation presented in Section 218.206 of this Part shall be used to calculate emission limitations for determining compliance

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by add-on controls, credits for transfer efficiency, emissions trades and cross-line averaging.) The emission limitations are as follows:

- a) Automobile or Light-Duty Truck Coating
- | | | |
|-------------------------|----------|-----------|
| 1) Prime coat | kg/l | lb/gal |
| | 0.14 | (1.2) |
| 2) Primer surfacer coat | 0.341.81 | (2.815.1) |

(Note: The primer surfacer coat limitation is based upon a transfer efficiency of 30 percent. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire primer surfacer operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b) and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 does not apply to the primer surfacer limitation.)

- 3) Topcoat
- | | | |
|--|------|--------|
| | kg/l | lb/gal |
| | 1.81 | (15.1) |
- (Note: The topcoat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average VOM content from the entire topcoat operation (all topcoat spray booths, flash-off areas and bake ovens). Compliance shall be demonstrated in accordance with the topcoat protocol for automobiles and light-duty trucks referenced in Section 218.105(b) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and Section 218.205 does not apply to the topcoat

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limitation.) At least 100 days prior to the initial compliance date, the owner or operator of a coating line subject to the topcoat limitation shall have submitted to the USEPA a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. The proposal shall have included, at a minimum, a comprehensive plan (including a rationale) for determining the transfer efficiency at each booth through the use of in-plant, or pilot testing, the selection of coatings to be tested (for the purpose of determining transfer efficiency) including the rationale for coating groupings, and the method for determining the analytical VOM content of as applied coatings and the formulation solvent content of as applied coatings. Upon approval of the protocol by the USEPA, the source may proceed with the compliance demonstration. Section 218.205 of this Part does not apply to the topcoat limitation.)

- | | | |
|--------------------------------------|------|--------|
| 4) Final repair coat | kg/l | lb/gal |
| | 0.58 | (4.8) |
| b) Can Coating | kg/l | lb/gal |
| 1) Sheet basecoat and overvarnish | 0.34 | (2.8) |
| 2) Exterior basecoat and overvarnish | 0.34 | (2.8) |
| 3) Interior body spray coat | 0.51 | (4.2) |
| 4) Exterior end coat | 0.51 | (4.2) |
| 5) Side seam spray coat | 0.66 | (5.5) |
| 6) End sealing compound coat | 0.44 | (3.7) |
| c) Paper Coating | kg/l | lb/gal |
| | 0.35 | (2.9) |

(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which printing is performed if the paper coating line complies with the emissions limitations in Subpart H:

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Printing and Publishing, Sections 218.401 of this Part through 218.404 and other approvable requirements.)

- | | | | |
|----|-------------------------|--------------|-----------------|
| d) | Coil Coating | kg/l
0.31 | lb/gal
(2.6) |
| e) | Fabric Coating | 0.35 | (2.9) |
| f) | Vinyl Coating | 0.45 | (3.8) |
| g) | Metal Furniture Coating | 0.36 | (3.0) |
| h) | Large Appliance Coating | 0.34 | (2.8) |

(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

- | | | | |
|----|--|--------------|-----------------|
| i) | Magnet Wire Coating | kg/l
0.20 | lb/gal
(1.7) |
| j) | Miscellaneous Metal Parts and Products Coating | | |
| | 1) Clear coating | 0.52 | (4.3) |
| | 2) Air-dried coating | 0.42 | (3.5) |
| | 3) Extreme performance coating | 0.42 | (3.5) |
| | 4) Steel pail and drum interior coating | (0.52) | (4.3) |

- | | | | |
|-----|--------------------|------|--------|
| 45) | All other coatings | 0.36 | (3.0) |
| | | kg/l | lb/gal |

- k) Heavy Off-Highway Vehicle Products Coating

- | | | | |
|----|--|------|-------|
| 1) | Extreme performance prime coat | 0.42 | (3.5) |
| 2) | Extreme performance top-coat (air dried) | 0.42 | (3.5) |

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- | | | | |
|----|---|------|--------|
| 3) | Final repair coat (air dried) | 0.42 | (3.5) |
| 4) | All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j) above. | | |
| 1) | Wood Furniture Coating | kg/l | lb/gal |
| 1) | Clear topcoat | 0.67 | (5.6) |
| 2) | Opaque stain | 0.56 | (4.7) |
| 3) | Pigmented coat | 0.60 | (5.0) |
| 4) | Repair coat | 0.67 | (5.6) |
| 5) | Sealer | 0.67 | (5.6) |
| 6) | Semi-transparent stain | 0.79 | (6.6) |
| 7) | Wash coat | 0.73 | (6.1) |
- (Note: An owner or operator of a wood furniture coating operation subject to this Section shall apply all coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray application system, electrostatic bell or disc spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, or dip coating application system or high volume low pressure (HVLP) application system.)

- m) Existing Diesel-Electric Locomotive Coating Lines in Cook County

- | | | | |
|----|--|--------------|-----------------|
| 1) | Extreme performance prime coat | kg/l
0.42 | lb/gal
(3.5) |
| 2) | Extreme performance top-coat (air dried) | 0.42 | (3.5) |
| 3) | Final repair coat | | |

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(air dried)	0.42	(3.5)
4) High-temperature aluminum coating	0.72	(6.0)
5) All other coatings	0.36	(3.0)
(Source: Amended at ___ Ill. Reg. ___, effective _____)		

Section 218.205 Daily-Weighted Average Limitations

No owner or operator of a coating line subject to the limitations of Section 218.204 of this Part and complying by means of this Section shall operate the subject coating line unless the owner or operator has demonstrated compliance with subsection (a), (b), (c), (d), (e) or (f) of this Section (depending upon the source category of coating) through the applicable coating analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(d) of this Part:

- a) No owner or operator of a coating line subject to only one of the limitations from among Section 218.204(a)(1), ~~(a)(2)~~, (a)(4), (c), (d), (e), (f), (g), (h), or (i) of this Part shall apply coatings on any such coating line, during any day, whose daily-weighted average VOM content exceeds the emission limitation to which the coatings are subject.
- b) No owner or operator of a miscellaneous metal parts and products coating line subject to the limitations of Section 218.204(j) of this Part shall apply coatings to miscellaneous metal parts or products on the subject coating line unless the requirements in subsection (b)(1) or (b)(2) below are met.
 - 1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(j) during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or
 - 2) For each coating line which applies coatings subject to more than one numerical emission limitation from more than one of the four coating

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categories in Section 218.204(j) above, during the same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

- c) No owner or operator of a can coating facility line subject to the limitations of Section 215218.204(b) of this Part shall operate the subject coating facility line using a coating with a VOM content in excess of the limitations specified in Section 215218.204(b) of this Part unless all of the following requirements are met:
 - 1) An alternative daily emission limitation shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, according to subsection (c)(2) below. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

$$E_d = \sum_{i=1}^n V_i C_i$$

where:

- E_d = Actual VOM emissions for the day in units of kg/day (lbs/day) τ_i
- i = Subscript denoting a specific coating applied τ_i
- n = Total number of coatings applied in the can coating operation, i.e. all can coating lines at the source;
- V_i = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);

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C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

- 2) The alternative daily emission limitation (A_d) shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, on a daily basis as follows:

$$A_d = \sum_{i=1}^n V_i L_i \left(\frac{D_i - C_i}{D_i - L_i} \right)$$

where:

A_d = The VOM emissions allowed for the day in units of kg/day (lbs/day) τ_i

i = Subscript denoting a specific coating applied τ_i

n = Total number of surface coatings applied in the can coating operation τ_i

C_i = The VOM content of each surface coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) τ_i

D_i = The density of VOM in each coating applied. For the purposes of calculating A_d , the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM) τ_i

V_i = Volume of each surface coating applied for the day in units of l (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) τ_i

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L_i = The VOM emission limitation for each surface coating applied as specified in Section 218.204(b) of this Part in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

- d) No owner or operator of a heavy off-highway vehicle products coating line subject to the limitations of Section 218.204(k) of this Part shall apply coatings to heavy off-highway vehicle products on the subject coating line unless the requirements of subsection (d)(1) or (d)(2) below are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(k) above, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(k) above, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986) must be satisfied.

- e) No owner or operator of a wood furniture coating line subject to the limitations of Section 218.204(1) of this Part shall apply coatings to wood furniture on the subject coating line unless the requirements of subsection (e)(1) or subsection (e)(2) below, in addition to the requirements specified in the note to Section 218.204(1) of this Part, are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same

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numerical emission limitation within Section 218.204(1) above, during the same day (e.g., all coatings used on the line are subject to 0.67 kg/l [5.6 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

- 2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(1) above, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

- f) No owner or operator of an existing diesel-electric locomotive coating line in Cook County, subject to the limitations of Section 218.204(m) of this Part shall apply coatings to diesel-electric locomotives on the subject coating line unless the requirements of subsection (b)(1) or (b)(2)(f)(2) of this Section are met.

- 1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(m) above, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

- 2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(m) above, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

(Source: Amended at Ill. Reg. _____, effective _____)

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Section 218.206 Solids Basis Calculation

Limitations in terms of kg (lbs) of VOM emissions per 1 (gal) of solids as applied at each coating applicator shall be determined by the following equation:

$$S = \frac{C}{1 - (C/D)}$$

where:

S = The limitation on VOM emissions in terms of kg VOM/l (lbs VOM/gal) of solids

C = The limitation on VOM emissions in terms of kg/l (lbs/gal) of coating (minus water and any compounds which are specifically excluded from the definition of VOM) specified in Section 218.2047 of this Part;

D = The density of VOM in the coating. For the purposes of calculating S, the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM).

(Source: Amended at Ill. Reg. _____, effective _____)

Section 218.207 Alternative Emission Limitations

- a) Any owner or operator of a coating line subject to Section 218.204 of this Part may comply with this Section, rather than with Section 218.204 of this Part, if a capture system and control device are operated at all times the coating line is in operation and the owner or operator demonstrates compliance with subsections (c), (d), (e), (f), (g) or (h) of this Section (depending upon the source category) through the applicable coating analysis and capture system and control device efficiency test methods and procedures specified in Section 218.105 of this Part and the recordkeeping and reporting requirements specified in Section 218.211(e) of this Part; and the control device is equipped with the applicable monitoring equipment specified in Section 218.105(d) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use. A capture system and control device, which does not demonstrate compliance with subsection (c), (d), (e), (f), (g) or

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(h) of this Section may be used as an alternative to compliance with Section 218.204 of this Part only if the alternative is approved by the Agency and approved by the USEPA as a SIP revision.

b) Alternative Add-On Control Methodologies

- 1) The coating line is equipped with a capture system and control device that provides 81 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency, or
- 2) The system used to control VOM from the coating line is demonstrated to have an overall efficiency sufficient to limit VOM emissions to no more than what is allowed under Section 218.204 of this Part. Use of any control system other than an afterburner, carbon adsorption, condensation, or absorption scrubber system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. Baseline transfer efficiencies and transfer efficiency test methods must be approved by the Agency and the USEPA.

Such overall efficiency is to be determined as follows:

- A) Obtain the emission limitation from the appropriate subsection in Section 218.204 of this Partⁱ
- B) Calculate "S" according to the equation in Section 218.206 of this Partⁱ
- C) Calculate the overall efficiency required according to Section 218.105(e) of this Part. For the purposes of calculating this value, according to the equation in Section 218.105(e)(2) of this Part, VOM_i is equal to the value of "S" as determined above in subsection (b)(2)(B) of this Section.

- c) No owner or operator of a coating line subject to only

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one of the emission limitations from among Section 218.204(a)(1), ~~(a)(2)~~ (a)(4), (c), (d), (e), (f), (g), (h) or (i) of this Part and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met. No owner or operator of a coating line subject to Section 218.204(a)(2) or 218.204(a)(3) and equipped with a capture system and control device shall operate the coating line unless the owner or operator demonstrates compliance with the ~~capture~~ such limitation in accordance with the topcoat protocol for ~~automobile or light-duty trucks~~ referenced in Section 218.105(b).

- d) No owner or operator of a miscellaneous metal parts and products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(j) of this Part (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met.

- e) No owner or operator of a heavy off-highway vehicle products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(k) of this Part (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met.

- f) No owner or operator of an existing diesel-electric locomotive coating line in Cook County which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(m) of this Part (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met.

- g) No owner or operator of a wood furniture coating line

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which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(1) of this Part (e.g., all coatings used on the line are subject to 0.67 kg/l [5.6 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met. If compliance is achieved by meeting the requirements in subsection (b)(2) of this Part, then the provisions in the note to Section 218.204(1) of this Part must also be met.

- h) No owner or operator of a can coating facility line and device is equipped with a capture system and control unless the requirements in subsection (h)(1) or (h)(2) below are met.

- 1) An alternative daily emission limitation shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, according to Section 218.205(c)(2) of this Part. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:

$$E_d = \sum_{i=1}^n V_i C_i (1-F_i)$$

where:

- E_d = Actual VOM emissions for the day in units of kg/day (lbs/day) τ_i
- i = Subscript denoting the specific coating applied τ_i
- n = Total number of surface coatings as applied in the can coating operation τ_i
- V_i = Volume of each coating as applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are

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C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) and

F_i = Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture system and control device.

- 2) The coating line is equipped with a capture system and control device that provide 75 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.208 Exemptions From Emission Limitations

- a) Exemptions for all sourcecoating categories except wood furniture coating. The limitations of this Subpart shall not apply to coating lines within a facility source, that otherwise would be subject to the same subsection of Section 218.204 (because they belong to the same sourcecoating category, e.g. can coating) provided that combined actual emissions of VOM from all lines at the facilitysource subject to that subsection never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices. (For example, can coating lines within a plantsource would not be subject to the limitations of Section 218.204(b) of this Part if the combined actual emissions of VOM from the can coating lines never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices.) Volatile organic material emissions from heavy off-highway vehicle products coating lines must be combined with VOM emissions from miscellaneous metal parts and products coating lines to determine applicability. Any

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owner or operator of a coating ~~facility~~ source shall comply with the applicable coating analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(a) of this Part if total VOM emissions from the subject coating lines are always less than or equal to 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices and, therefore, are not subject to the limitations of Section 218.204 of this Part. Once a category of coating lines at a ~~facility~~ source is subject to the limitations in Section 218.204, of this Part the coating lines are always subject to the limitations in Section 218.204 of this Part.

b) Applicability for wood furniture coating

1) The limitations of this Subpart shall apply to a ~~plant-source's~~ wood furniture coating lines if the ~~plant-source~~ contains process emission sources units, not regulated by Subparts B, E, F (excluding Section 218.204(l) of this Part), H (excluding Section 218.405), Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y, or Z or BB of this Part, which as a group both:

A) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and

B) Are not limited to less than 91 Mg (100 tons) of VOM per calendar year if no air pollution control equipment were used, through production or capacity limitations contained in a federally enforceable ~~construction-permit~~ or SIP revision.

2) If a ~~plant-source~~ ceases to fulfill the criteria of subsection (b)(1) of this Section, the limitations of Section 218.204(l) of this Part shall continue to apply to any wood furniture coating line which was ever subject to the limitations of Section 218.204(l) of this Part.

3) For the purposes of subsection (b) of this Section, an emission ~~source~~ unit shall be considered regulated by a Subpart if it is subject

to the limitations of that Subpart. An emission ~~source~~ unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. ~~its emissions are below the applicability cutoff level or if the source is covered by an exemption.~~

4) Any owner or operator of a wood furniture coating line to which the limitations of this Subpart are not applicable due to the criteria in subsection (b) of this Section shall, upon request by the Agency or the USEPA, submit records to the Agency and the USEPA within 30 calendar days from the date of the request that document that the coating line is exempt from the limitations of this Subpart.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.209 Exemption From General Rule on Use of Organic Material

No owner or operator of a coating line subject to the limitations of Section 218.204 of this Part is required to meet the limitations of Subpart G (Section 218.301 or 218.302) of this Part, after the date by which the coating line is required to meet Section 218.204 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.210 Compliance Schedule

Every owner or operator of a coating line (of a type included within Section 218.204) of this Part shall comply with the requirements of Section 218.204, 218.205, 218.207 or 218.208 and Section 218.211 of this Part in accordance with the appropriate compliance schedule as specified in subsection (a), (b), (c) or (d) below:

a) No owner or operator of a coating line which is exempt from the limitations of Section 218.204 of this Part because of the criteria in Section 218.208(a) of this Part shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 218.211(b) of this Part. Wood

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furniture coating lines are not subject to Section 218.211(b) of this Part.

- b) No owner or operator of a coating line complying by means of Section 218.204 of this Part shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 218.204 and 218.211(c) of this Part.
- c) No owner or operator of a coating line complying by means of Section 218.205 of this Part shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 218.205 and 218.211(d) of this Part.
- d) No owner or operator of a coating line complying by means of Section 218.207 of this Part shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 218.207 and 218.211(e) of this Part.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 218.211 Recordkeeping and Reporting

- a) The VOM content of each coating and the efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 218.105 of this Part to establish the records required under this Section.
- b) Any owner or operator of a coating line which is exempted from the limitations of Section 218.204 of this Part because of Section 218.208(a) of this Part shall comply with the following:
 - 1) By a date consistent with Section 218.106 of this Part, the owner or operator of a facility coating line or a group of coating lines referenced in this subsection(b) of this Section shall certify to the Agency that the facility coating line or group of coating lines is exempt under the provisions of Section 218.108(a) of this Part. Such certification shall include:

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- A) A declaration that the facility coating line or group of coating lines is exempt from the limitations of Section 218.204 of this Part because of Section 218.208(a) of this Part; and
- B) Calculations which demonstrate that the combined VOM emissions from all the coating lines at the facility or group of coating lines never exceed 6.8 kg (15 lbs) per day before the application of capture systems and control devices. The following equation shall be used to calculate total VOM emissions:

$$T\dot{e}_o = \sum_{j=1}^m \sum_{i=1}^n (\dot{A}_i B_i) ;$$

where:

$T\dot{e}_o$ = Total VOM emissions from coating lines at a facility each day before the application of capture systems and control devices in units of kg/day (lbs/day) τ_i

m = Number of coating lines at the facility source that otherwise would be subject to the same subsection of Section 218.104 of this Part (because they belong to the same category, e.g., can coating) τ_i

j = Subscript denoting an individual coating line τ_i

n = Number of different coatings as applied each day on each coating line at the facility τ_i

i = Subscript denoting an individual coating τ_i

A_i = Weight of VOM per volume of each coating (minus water and any

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compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line at the facility in units of kg VOM/l (lbs VOM/gal); and

B_i = Volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line at the facility in units of l/day (gal/day). The instrument or method by which the owner or operator accurately measured or calculated the volume of each coating as applied on each coating line each day shall be described in the certification to the Agency.

2) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a facility coating line or group of coating lines referenced in this subsection shall collect and record all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a facility coating line or group of coating lines exempted from the limitations of Section 218.204 of this Part because of Section 218.208(a) of this Part shall notify the Agency of any record showing that total VOM emissions from the coating facility line or group of coating lines exceed 6.8 kg (15 lbs) in any day before the application of

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capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

c) Any owner or operator of a coating line subject to the limitations of Section 218.204 of this Part other than Section 218.204(a)(2) or (a)(3) and complying by means of Section 218.204 of this Part shall comply with the following:

1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance from an existing subject coating line from Section 218.205 or Section 218.207 of this Part to Section 218.204 of this Part, the owner or operator of a subject coating line shall certify to the Agency that the coating line will be in compliance with Section 218.204 of this Part on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

- e) ~~For coating lines subject to Section 218.204(a)(3) certification shall include:~~
- i) ~~The name and identification number of each coating 218.204(a)(3);~~
- ii) ~~the name and identification number of each coating as applied on each coating line;~~
- iii) ~~The weight of VOM per volume of each coating as applied on each coating line;~~
- iv) ~~The instrument or method by which the owner or operator will accurately measure or calculate the volume of each~~

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~~coating as applied each day on each coating line.~~

- v) ~~The method by which the owner or operator will create and maintain records each day as required in subsection (c)(2) below for coating lines subject to Section 218.204(a)(3),~~
- vi) ~~An example format in which the records required in subsection (c)(2) below for coating lines subject to Section 218.204(a)(3).~~

2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line subject to the limitations of Section 218.204 and complying by means of Section 218.204 shall collect and record all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- C) ~~For coating lines subject to Section 218.204(a)(3) the owner or operator shall maintain all records necessary to calculate the daily weighted average VOM content from the coating line in accordance with the proposal submitted, and proved by the US EPA, pursuant to Section 218.204(a)(3).~~

3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 218.204 of this Part shall be reported by

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sending a copy of such record to the Agency within 30 days following the occurrence of the violation, except that any record showing a violation of Section 218.204(a)(3) shall be reported by sending a copy of such record to the Agency within 15 days from the end of the month in which the violation occurred.

B) At least 30 calendar days before changing the method of compliance with Section 218.204 from Section 218.204 of this Part to Section 218.205 or Section 218.207 of this Part, the owner or operator shall comply with all requirements of subsection (d)(1) or (e)(1) of this Section below, respectively. Upon changing the method of compliance with Section 218.204 from Section 218.204 of this Part to Section 218.205 of this Part or Section 218.207 of this Part, the owner or operator shall comply with all requirements of subsection (d) or (e) of this Section, respectively.

C) ~~For coating lines subject to Section 218.204(a)(3) the owner or operator shall notify the Agency of any change to the topcoating operation at least 30 days before the change is effected. The Agency shall determine whether or not recertification testing is required. If the Agency determines that recertification testing is required, then the owner or operator shall submit a proposal to the Agency to test within 30 days and retest within 30 days of the Agency's approval of the proposal.~~

d) Any owner or operator of a coating line subject to the limitations of Section 218.204 of this Part and complying by means of Section 218.205 of this Part shall comply with the following:

- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing subject coating line from Section 218.204 or Section 218.207 of this Part to Section 218.205 of this Part, the owner or operator of the subject coating line shall certify to the Agency

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that the coating line will be in compliance with Section 218.205 of this Part on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating line which will comply by means of Section 218.205 of this Part.
- B) The name and identification number of each coating as applied on each coating line.
- C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.
- E) The method by which the owner or operator will create and maintain records each day as required in subsection (d)(2) of this Section.
- F) An example of the format in which the records required in subsection (d)(2) of this Section will be kept.

- 2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line ~~subject to the limitations of Section 218.204 and complying by means of Section 218.205~~ shall collect and record all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume and the volume of each coating (minus water and any

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compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

- C) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 218.104 of this Part.

- 3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 218.205 of this Part shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with this subpart from Section 218.205 of this Part to Section 218.204 or Section 218.207 of this Part, the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1) of this Section, respectively. Upon changing the method of compliance with this subpart from Section 218.205 to Section 218.204 or Section 218.207 of this Part, the owner or operator shall comply with all requirements of subsection (c) or (e) of this Section, respectively.

- e) Any owner or operator of a coating line subject to the limitations of Section 218.207 of this Part and complying by means of Section 218.207(c), (d), (e), (f), (g) or (h) of this Part shall comply with the following:

- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing coating line from Section 218.204 or Section 218.205 of this Part to Section 218.207 of this Part, the owner or operator of the subject coating line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the

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$$VOM_{0(w)} = \frac{\sum_{i=1}^n C_i L_i (V_s + V_{VOM})}{\sum_{i=1}^n L_i (V_s + V_{VOM})}$$

Where:

$VOM_{0(w)}$ = The weighted average VOM content in units of percent VOM by volume of all coatings and inks (minus water and any compounds which are specifically exempted from the definition of VOM) used each day_{7i}

i = Subscript denoting a specific coating or ink as applied_{7i}

n = The number of different coatings and/or inks as applied each day on a printing line_{7i}

C_i = The VOM content in units of percent VOM by volume of each coating or ink as applied (minus water and any compounds which are specifically exempted from the definition of VOM)_{7i}

L_i = The liquid volume of each coating or ink as applied in units of l (gal)_{7i}

V_s = The volume fraction of solids in each coating or ink as applied and

V_{VOM} = The volume fraction of VOM in each coating or ink as applied.

2) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation

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specified in subsection (a)(2) of this Section.

$$VOM_{0(m)} = \frac{\sum_{i=1}^n C_i L_i V_{VOM_i}}{\sum_{i=1}^n L_i V_{VOM_i}}$$

where:

$VOM_{0(m)}$ = The weighted average VOM content in units of percent VOM by volume of the volatile content of all coatings and inks used each day_{7i}

i = Subscript denoting a specific coating or ink as applied_{7i}

n = The number of different coatings and/or inks as applied each day on each printing line_{7i}

C_i = The VOM content in units of percent VOM by volume of the volatile matter in each coating or ink as applied_{7i}

L_i = The liquid volume of each coating or ink as applied in units of l (gal) and

V_{VOM_i} = The volume fraction of volatile matter in each coating or ink as applied.

c) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line equipped with a capture system and control device shall operate the subject printing line unless the owner or operator meets the requirements in subsection (c)(1), (c)(2), or (c)(3) and subsections (c)(4), (c)(5) and (c)(6) below.

1) A carbon adsorption system is used which reduces the captured VOM emissions by at least 90 percent

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- by weight, or
- 2) An incineration system is used which reduces the captured VOM emissions by at least 90 percent by weight, or
 - 3) An alternative VOM emission reduction system is used which is demonstrated to have at least a 90 percent control device efficiency, approved by the Agency and approved by USEPA as a SIP revision, and
 - 4) The printing line is equipped with a capture system and control device that provides an overall reduction in VOM emissions of at least:
 - A) 75 percent where a publication rotogravure printing line is employed, or
 - B) 65 percent where a packaging rotogravure printing line is employed, or
 - C) 60 percent where a flexographic printing line is employed, and
 - 5) The control device is equipped with the applicable monitoring equipment specified in Section 218.105(d)(2) of this Part and, except as provided in Section 218.105(d)(3) of this Part, the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use, and
 - 6) The capture system and control device are operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this subsection by using the applicable capture system and control device test methods and procedures specified in Section 218.105(c) through Section 218.105(f) of this Part and by complying with the recordkeeping and reporting requirements specified in Section 218.404(e) of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.402 Applicability

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- a) The limitations of Section 218.401 of this Part apply to all flexographic and rotogravure printing lines at a subject facility. All facilities with flexographic and/or rotogravure printing lines are subject to these limitations unless:
 - 1) Total maximum theoretical emissions of VOM from all flexographic and rotogravure printing line(s) including solvents used for cleanup operations associated with flexographic and rotogravure printing line(s) at the facility never exceed 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices, or
 - 2) A federally enforceable construction permit or SIP revision for all flexographic and rotogravure printing line(s) at a facility requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all flexographic and rotogravure printing line(s) to 90.7 Mg (100 tons) or less per calendar year before the application of capture systems and control devices.
- b) Upon achieving compliance with this Subpart, the emission source is flexographic and rotogravure printing lines are not required to meet Subpart G (Sections 218.301 or 218.302 of this Part). Emission sources Flexographic and rotogravure printing lines exempt from this Subpart are subject to Subpart G (Sections 218.301 or 218.302 of this Part). Rotogravure or flexographic equipment used for both roll printing and paper coating is subject to this Subpart.
- c) Once subject to the limitations of Section 218.401, a flexographic or rotogravure printing line is always subject to the limitations of Section 218.401 of this Part.
- d) Any owner or operator of any flexographic or rotogravure printing line that is exempt from the limitations of Section 218.401 of this Part because of the criteria in this Section is subject to the recordkeeping and reporting requirements specified in Section 218.404(b) of this Part.

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(Source: Amended at ___ Ill. Reg. ___, effective _____)
Section 218.403 Compliance Schedule

Every owner or operator of a flexographic and/or rotogravure printing line shall comply with the applicable requirements of Section 218.401 and Section 218.404 of this Part in accordance with the applicable compliance schedule specified in subsection (a), (b), (c) or (d) below:

- a) No owner or operator of a flexographic or rotogravure printing line which is exempt from the limitations of Section 218.401 of this Part because of the criteria in Section 218.402 of this Part shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 218.404(b) of this Part.
- b) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 218.401(a) of this Part shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 218.401(a) and Section 218.404(c) of this Part.
- c) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 218.401(b) of this Part shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 218.401(b) and Section 218.404(d) of this Part.
- d) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 218.401(c) of this Part shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 218.401(c) and Section 218.404(e) of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective _____)
Section 218.404 Recordkeeping and Reporting

- a) The VOM content of each coating and ink and the

efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 218.105 of this Part to establish the records required under this Section.

- b) Any owner or operator of a printing line which is exempted from the limitations of Section 218.401 of this Part because of the criteria in Section 218.402 of this Part shall comply with the following:
- 1) By a date consistent with Section 218.106 of this Part, the owner or operator of a flexographic, flexographic and rotogravure printing line to which this subsection is applicable shall certify to the Agency that the flexographic and rotogravure printing line is exempt under the provisions of Section 218.402 of this Part. Such certification shall include:

- A) A declaration that the flexographic and rotogravure printing line is exempt from the limitations of the criteria in Section 218.401 of this Part because of Section 218.402 of this Part, and
- B) Calculations which demonstrate that total maximum theoretical emissions of VOM from all flexographic and rotogravure printing lines at the flexographic source never exceed 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices. Total maximum theoretical emissions of VOM for a flexographic or rotogravure printing flexographic source is the sum of maximum theoretical emissions of VOM from each flexographic and rotogravure printing line at the flexographic source. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year before the application of capture systems and control devices for each flexographic and rotogravure printing line at the flexographic source:

$$E_p = A \times B \div 1095 \quad (C \times D \times F)$$

where:

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E_p = Total maximum theoretical emissions of VOM from one flexographic or rotogravure printing line in units of kg/year (lbs/year)⁷

A = Weight of VOM per volume of solids of the coating or ink with the highest VOM content as applied each year on the printing line in units of kg VOM/l (lbs VOM/gal) of coating or ink solids⁷ and

B = Total volume of solids for all coatings and inks that can potentially be applied each year on the printing line in units of l/year (gal/year). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each coating and ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency⁷

C = Weight of VOM per volume of material for the cleanup material or solvent with the highest VOM content as used each year on the printing line in units of Kg/l (lbs VOM/gal) of such material;

D = The greatest volume of cleanup material or solvent used in any 8-hour period and

E = The highest fraction of cleanup material or solvent which is not recycled or recovered for offsite disposal during any 8-hour period.

- 2) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a flexographic and rotogravure printing line referenced in this subsection shall collect and record all of the following information each

year for each printing line and maintain the information at the flexographic and rotogravure printing line for a period of three years:

A) The name and identification number of each coating and ink as applied on each printing line.

B) The VOM content and the volume of each coating and ink as applied each year on each printing line.

- 3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a flexographic and rotogravure printing line exempted from the limitations of Section 218.401 of this Part because of the criteria in Section 218.402 of this Part shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all printing lines exceed 90.7 Mg (100 tons) in any calendar year before the application of capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

- c) Any owner or operator of a printing line subject to the limitations of Section 218.401 of this Part and complying by means of Section 218.401(a) of this Part shall comply with the following:

- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance from an existing subject printing line from Section 218.401(b) or Section 218.401(c) of this Part to Section 218.401(a) of this Part, the owner or operator of a subject printing line shall certify to the Agency that the printing line will be in compliance with Section 218.401(a) of this Part on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such certification shall include:

A) The name and identification number of each coating and ink as applied on each printing line.

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- B) The VOM content of each coating and ink as applied each day on each printing line.
- 2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 218.401 of this Part and complying by means of Section 218.401(a) of this Part shall collect and record all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:
- A) The name and identification number of each coating and ink as applied on each printing line.
- B) The VOM content of each coating and ink as applied each day on each printing line.
- 3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:
- A) Any record showing violation of Section 218.401(a) of this Part shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 218.401 of this Part from Section 218.401(a) of this Part to Section 218.401(b) or (c) of this Part, the owner or operator shall comply with all requirements of subsection (b)(1) or (c)(1)(d)(1) or (e)(1) of this Section, respectively. Upon changing the method of compliance with Section 218.401 of this Part from Section 218.401(a) of this Part to Section 218.401(b) or (c) of this Part, the owner or operator shall comply with all requirements of subsection (b)(d) or (c)(e) of this Section, respectively.
- d) Any owner or operator of a printing line subject to the limitations of Section 218.401 of this Part and

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- complying by means of Section 218.401(b) shall comply with the following:
- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing subject printing line from Section 218.401(a) or (c) of this Part to Section 218.401(b) of this Part, the owner or operator of the subject printing line shall certify to the Agency that the printing line will be in compliance with Section 218.401(b) of this Part on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such certification shall include:
- A) The name and identification number of each printing line which will comply by means of Section 218.401(b) of this Part.
- B) The name and identification number of each coating and ink available for use on each printing line.
- C) The VOM content of each coating and ink as applied each day on each printing line.
- D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating and ink as applied each day on each printing line.
- E) The method by which the owner or operator will create and maintain records each day as required in subsection (b)(d)(2) of this Section.
- F) An example of the format in which the records required in subsection (b)(d)(2) of this Section will be kept.
- 2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 218.401 of this Part and complying by means of Section 218.401(b) of this Part shall collect and record all of the following information each day for each

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printing line and maintain the information at the facility source for a period of three years:

- A) The name and identification number of each coating and ink as applied on each printing line.
- B) The VOM content and the volume of each coating and ink as applied each day on each printing line.
- C) The daily-weighted average VOM content of all coatings and inks as applied on each printing line.

3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 218.401(b) of this Part shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 218.401 of this Part from Section 218.401(b) of this Part to Section 218.401(a) or 218.401(c) of this Part, the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1) of this Section, respectively. Upon changing the method of compliance with Section 218.401 of this Part from Section 218.401(b) of this Part to Section 218.401(a) or (c) of this Part, the owner or operator shall comply with all requirements of subsection (c) or (e) of this Section, respectively.
- e) Any owner or operator of a printing line subject to the limitations of Section 218.401 of this Part and complying by means of Section 218.401(c) of this Part shall comply with the following:
 - 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new printing

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line, or upon changing the method of compliance for an existing printing line from Section 218.401(a) or (b) of this Part to Section 218.401(c) of this Part, the owner or operator of the subject printing line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with Section 218.401(c) of this Part on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date.

2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 218.401 of this Part and complying by means of Section 218.401(c) of this Part shall collect and record all of the following information each day for each printing line and maintain the information at the facility for a period of three years:

- A) Control device monitoring data.
- B) A log of operating time for the capture system, control device, monitoring equipment and the associated printing line.
- C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 218.401(c) of this Part, shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 218.401 of this Part from Section 218.401(c) of this

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Part to Section 218.401(a) or (b) of this Part, the owner or operator shall comply with all requirements of subsection (c)(1) or (d)(1) of this Section, respectively. Upon changing the method of compliance with Section 218.401 of this Part from Section 218.401(c) of this Part to Section 218.401(a) or (b) of this Part, the owner or operator shall comply with all requirements of subsection (c) or (d) of this Section, respectively.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.405 Heatset-Web-Offset Lithographic Printing

a) Applicability

- 1) The limitations of subsection (b) below apply to all heatset-web-offset lithographic printing lines at a subject ~~facility~~ source. All ~~facilities~~ sources with heatset-web-offset lithographic printing lines are subject ~~facilities~~ sources unless:

- A) Total maximum theoretical emissions of VOM from all heatset-web-offset lithographic printing lines at the ~~facility~~ source never exceed 90.7 Mg (100 tons) per calendar year in the absence of air pollution control equipment, or
- B) A federally enforceable ~~construction~~ permit or SIP revision for all heatset-web-offset lithographic printing lines(s) at a ~~facility~~ source requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all heatset-web-offset lithographic printing line(s) to 90.7 Mg (100 tons) per calendar year or less in the absence of air pollution control equipment, and

- 2) Any owner or operator of any heatset-web-offset lithographic printing line that is exempt from the limitations in subsection (b) of this Section because of the criteria in subsection (a)(1) of

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this Section shall be subject to the recordkeeping and reporting requirements in subsection (c)(1) of this Section.

- b) Specific Provisions. No owner or operator of a subject heatset-web-offset printing line may cause or allow the operation of the subject heatset-web-offset printing line unless the owner or operator meets the requirements in subsection (b)(1) or (b)(2) and the requirements in subsections (b)(3) and (b)(4) below.

- 1) An afterburner system is installed and operated that reduces 90 percent of the VOM emissions from the dryer exhaust, or
- 2) The fountain solution contains no more than 8 percent, by weight, of VOM and a condensation recovery system is installed and operated that removes at least 75 percent of the non-isopropyl alcohol organic materials from the dryer exhaust, and
- 3) The control device is equipped with the applicable monitoring equipment specified in Section 218.105(d)(2) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use, and
- 4) The control device is operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in Section 218.105(a), (d), and (f) of this Part and by complying with the recordkeeping and reporting requirements specified in subsection (c) below.
- c) Recordkeeping and Reporting. The VOM content of each fountain solution and ink and the efficiency of each control device shall be determined by the applicable test methods and procedures specified in Section 218.105 of this Part to establish the records required under this subsection.
- 1) Any owner or operator of a printing line which is exempted from the limitations of subsection (b) of this Section because of the criteria in subsection

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(a) of this Section shall comply with the following:

A) By a date consistent with Section 218.106 of this Part, the owner or operator of a facility heatset-web-offset lithographic printing line to which subsection (c)(1) of this Section is applicable shall certify to the Agency that the facility heatset-web-offset lithographic printing line is exempt under the provisions of subsection (a) of this Section. Such certification shall include:

i) A declaration that the facility heatset-web-offset lithographic printing line is exempt from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section, and

ii) Calculations which demonstrate that total maximum theoretical emissions of VOM from all heatset-web-offset lithographic printing lines at the facility never exceed 90.7 Mg (100 tons) per calendar year before the application of air pollution control equipment. Total maximum theoretical emissions of VOM for a heatset-web-offset lithographic printing facility source is the sum of maximum theoretical emissions of VOM from each heatset-web-offset lithographic printing line at the facility. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year in the absence of air pollution control equipment for each heatset-web-offset lithographic printing line at the facility:

$$E_p = (A \times B) + \frac{(C \times D) + 1095}{100} (F \times G \times H)$$

where:

- E_p = Total maximum theoretical emissions of VOM from one heatset-web-offset printing line in units of kg/year (lbs/year) $\times i$
- A = Weight of VOM per volume of solids of ink with the highest VOM content as applied each year on the printing line in units of kg VOM/l (lbs VOM/gal) of solids \times and i
- B = Total volume of solids for all inks that can potentially be applied each year on the printing line in units of l/year (gal/year). The instrument or method by which the owner or operator accurately measured or calculated the volume of each ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency $\times i$
- C = The weight percent VOM of the fountain solution with the highest VOM content $\times i$
- D = The total volume of fountain solution that can potentially be used each year on the printing line in units of l/year (gal/year). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each fountain solution used and the amount that can potentially be used each year on the printing line shall be described in the certification to the Agency $\times i$

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F = Weight of VOM per volume of material for the cleanup material or solvent with the highest VOM content as used each year on the printing line in units of Kg/l (lbs VOM/gal) of such material.

B = The greatest volume of cleanup material or solvent used in any 8-hour period and

H = The highest fraction of cleanup material or solvent which is not recycled or recovered for offsite disposal during any 8-hour period.

B) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a flexographic web-offset lithographic printing line to which subsection (c)(1) of this Section is applicable shall collect and record all of the following information each year for each printing line and maintain the information at the facility for a period of three years:

- i) The name and identification of each fountain solution and ink as applied on each printing line.
- ii) The VOM content and the volume of each fountain solution and ink as applied each year on each printing line.

C) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a flexographic web-offset lithographic printing line to which subsection (b) of this Section because of the criteria in subsection (a) of this Section shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all printing lines exceed 90.7 Mg (100 tons) in any calendar year in the absence of air pollution control equipment by sending a copy of such record to the Agency within 30 days after the

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exceedance occurs.

2) Any owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(1) of this Section shall comply with the following:

A) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (b)(2) to subsection (b)(1) of this Section; the owner or operator of the subject printing line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(1) of this Section on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date.

B) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(1) of this Section shall collect and record the following information each day for each printing line and maintain the information at the facility for a period of three years:

- i) Control device monitoring data.
- ii) A log of operating time for the control device, monitoring equipment and the associated printing line.
- iii) A maintenance log for the control device and monitoring equipment detailing all routine and nonroutine maintenance performed including dates and duration of any outages.

C) On and after a date consistent with Section

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218.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- i) Any record showing violation of subsection (b)(1) of this Section shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- ii) At least 30 calendar days before changing the method of compliance with subsection (b) of this Section from subsection (b)(1) to (b)(2) of this Section, the owner or operator shall comply with all requirements of subsection (c)(3)(A) of this Section. Upon changing the method of compliance with subsection (b) of this Section from subsection (b)(1) to (b)(2) of this Section, the owner or operator shall comply with all requirements of subsection (c)(3) of this Section.

- 3) Any owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(2) of this Section shall comply with the following:

- A) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (b)(1) to (b)(2) of this Section; the owner or operator of the subject printing line shall perform all tests and submit to the Agency and the USEPA the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(2) of this Section on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date.

- B) On and after a date consistent with Section 218.106 of this Part, or on and after the

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initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(2) of this Section shall collect and record the following information each day for each printing line and maintain the information at the facility source for a period of three years:

- i) The VOM content of the fountain solution used each day on each printing line.
 - ii) A log of operating time for the control device and the associated printing line.
 - iii) A maintenance log for the control device detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- C) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- i) Any record showing violation of subsection (b)(2) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

- ii) At least 30 calendar days before changing the method of compliance with subsection (b) of this Section from subsection (b)(2) to (b)(1) of this Section, the owner or operator shall comply with all requirements of subsection (c)(2)(A) of this Section. Upon changing the method of compliance with subsection (b) of this Section from subsection (b)(2) to (b)(1) of this Section, the owner or operator shall comply with all requirements of subsection (c)(2) of this Section.

- d) Compliance Schedule. Every owner or operator of a heatset-web-offset lithographic printing line shall

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comply with the applicable requirements of subsections (b) and (c) of this Section in accordance with the applicable compliance schedule specified in subsection (d)(1), (d)(2), or (d)(3) below:

- 1) No owner or operator of a heatset-web-offset lithographic printing line which is exempt from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, subsection (b)(1) and (c)(1) of this Part.
- 2) No owner or operator of a heatset-web-offset lithographic printing line complying by means of subsection (b)(1) of this Section shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, subsection (b)(2) (b)(1), (b)(3), (b)(4) and (c)(2) of this Section.
- 3) No owner or operator of a heatset-web-offset lithographic printing line complying by means of subsection (b)(2) of this Section shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, subsection (b)(2), (b)(3), (b)(4) and (c)(3) of this Section.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART Q: LEAKS FROM SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING EQUIPMENT

Section 218.421 General Requirements

The owner or operator of a plant which processes more than 3660 mg/yr (4033 tons/year) gaseous and light liquid VOM, and whose components are used to manufacture the synthetic organic chemicals or polymers listed in Appendix A, shall comply with this Subpart. The provisions of this Subpart are applicable to components containing 10 percent or more by weight VOM as determined by ASTM method E-168, E-169 and E-260, incorporated by reference in Section 218.112 of this Part. Those components that

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are not process unit components are exempt from this Subpart. A component shall be considered to be leaking if the VOM is equal to, or is greater than 10,000 ppmv as methane or hexane as determined by USEPA Reference Method 21, as specified at 40 CFR 60, Appendix A, incorporated by reference in Section 218.112 of this Part, indication of liquids dripping, or indication by a sensor that a seal or barrier fluid system has failed. The provisions of this Subpart are not applicable if the equipment components are used to produce heavy liquid chemicals only from heavy liquid feed or raw materials.

(Source: Amended at ___ Ill. Reg. ___, effective ___)
Section 218.422 Inspection Program Plan for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to Section 218.421 of this Part shall prepare an inspection program plan which contains, at a minimum:

- a) An identification of all components and the period in which each will be monitored pursuant to Section 218.423 of this Part.
- b) The format for the monitoring log required by Section 218.425 of this Part.
- c) A description of the monitoring equipment to be used when complying with Section 218.423 of this Part, and
- d) A description of the methods to be used to identify all pipeline valves, pressure relief valves in gaseous service, all leaking components, and components exempted under Section 218.423(i)(j) of this Part such that they are obvious and can be located by both plant personnel performing monitoring and Agency personnel performing inspections.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.423 Inspection Program for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to this Subpart shall, for the purposes of detecting leaks, conduct a component inspection program using the test methods specified in Method 21, 40 CFR 60, Appendix A (1986), incorporated by reference in Section 218.112 of this Part, consistent with the following provisions:

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- a) Test annually those components operated near extreme temperature or pressure such that they would be unsafe to routinely monitor and those components which would require the elevation of monitoring personnel higher than two meters above permanent worker access structures or surfaces.
- b) Test quarterly all other pressure relief valves in gas service, pumps in light liquid service, valves in light liquid service and in gas service, and compressors.
- c) If less than or equal to 2 percent of the valves in light liquid service and in gas service tested pursuant to subsection (b) of this Section are found not to leak for five consecutive quarters, no leak tests shall be required for three consecutive quarters. Thereafter, leak tests shall resume for the next quarter. If that test shows less than or equal to 2 percent of the valves in light liquid service and in gas service are leaking, then no tests are required for the next three quarters. If more than 2 percent are leaking, then tests are required for the next five quarters.
- d) Observe visually all pump seals weekly.
- e) Test immediately any pump seal from which liquids are observed dripping.
- f) Test any relief valve within 24 hours after it has vented to the atmosphere.
- g) Routine instrument monitoring of valves which are not externally regulated, flanges, and equipment in heavy liquid service, is not required. However, any valve which is not externally regulated, flange or piece of equipment in heavy liquid service that is found to be leaking on the basis of sight, smell or sound shall be repaired as soon as practicable but no later than 30 days after the leak is found.
- h) Test immediately after repair any component that was found leaking.
- i) Within one hour of its detection, a weatherproof, readily visible tag, in bright colors such as red or yellow, bearing an identification number and the date on which the leak was detected must be affixed on the leaking component and remain in place until the leaking

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component is repaired.

- j) The following components are exempt from the monitoring requirements in this Section:

- 1) Any component that is in vacuum service, and
- 2) Any pressure relief valve that is connected to an operating flare header or vapor recovery device.

(Source: Amended at ___ Ill. Reg. ___, effective ___)
Section 218.424 Repairing Leaks

All leaking components must be repaired and retested as soon as practicable but no later than 15 days after the leak is found unless the leaking component cannot be repaired until the process unit is shut down. Records of repairing and retesting must be maintained in accordance with Section 218.425 and 218.426 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.425 Recordkeeping for Leaks

- a) The owner or operator of a synthetic organic chemical or polymer manufacturing plant shall maintain a leaking components monitoring log which shall contain, at a minimum, the following information:

- 1) The name of the process unit where the component is located;
- 2) The type of component (e.g., valve, seal);
- 3) The identification number of the component;
- 4) The date on which a leaking component is discovered;
- 5) The date on which a leaking component is repaired;
- 6) The date and instrument reading of the recheck procedure after a leaking component is repaired;
- 7) A record of the calibration of the monitoring instrument;

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- 8) The identification number of leaking components which cannot be repaired until process unit shutdown; and
- 9) The total number of valves in light liquid service and in gas service inspected; the total number and the percentage of these valves found leaking during the monitoring period.
- b) Copies of the monitoring log shall be retained by the owner or operator for a minimum of two years after the date on which the record was made or the report was prepared.
- c) Copies of the monitoring log shall be made available to the Agency, upon verbal or written request, prior to or at the time of inspection pursuant to Section 4(d) of the Environmental Protection Act (Act) (Ill. Rev. Stat. 1989, ch. 111 1/2, pars. 1001 et seq.) [415 ILCS 5/1 et seq.] at any reasonable time.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.426 Report for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to Section 218.421 through 218.430 of this Part shall:

- a) Submit quarterly reports to the Agency on or before March 31, June 30, September 30, and December 31 of each year, listing all leaking components identified pursuant to Section 218.423 of this Part but not repaired within 15 days, all leaking components awaiting process unit shutdown, the total number of components inspected, the type of components inspected, and the total number of components found leaking, the total number of valves in light liquid service and in gas service inspected and the number and percentage of valves in light liquid service and in gas service found leaking.
- b) Submit a signed statement with the report attesting that all monitoring and repairs were performed as required under Section 218.421 through 218.427 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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Section 218.427 Alternative Program for Leaks

The Agency shall approve an alternative program of monitoring, recordkeeping, or reporting to that prescribed in this Subpart upon a demonstration by the owner or operator of such plant that the alternative program will provide ~~pl~~source personnel and Agency personnel with an equivalent ability to identify and repair leaking components. Any alternative program can be allowed if approved by the Agency and approved by the USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.428 Open-Ended Valves

- a) Each open-ended valve shall be equipped with a cap, blind flange, plug, or a second valve, except during operations requiring fluid flow through the open-ended valve.
- b) Each open-ended valve equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.
- c) Components which are open-ended valves and which serve as a sampling connection shall be controlled such that they comply with subsection(c)(1), (c)(2) or (c)(3) below. This requirement does not apply to in-situ sampling systems.

1) A closed purge system or closed vent system shall return purged process fluid to the process line with no detectable VOM emissions to the atmosphere, or

2) A closed purge system or closed vent system shall collect and recycle purged process fluid to the process line with no detectable VOM emissions to the atmosphere, or

3) Purged process fluid shall be transported to a control device that complies with the requirements of Section 218.429 of this Part. If a container is used to transport purged process fluid to the control device, the container shall be a closed container designed and used to reduce the VOM emissions vented from purged process fluid after

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transfer to no detectable VOM emissions as determined by USEPA Reference Method 21, as specified in 40 CFR 60, Appendix A (1990 or 1991) incorporated by reference in Section 218.112 of this Part. For purposes of this Section, the phrase "after transfer" shall refer to the time at which the entire amount of purged process fluid resulting from a flushing or cleaning of the sample line enters the container, provided, however, that purged process fluid may be transferred from the initial container to another closed container prior to disposal, e.g., to a bulk waste storage container.

- d) ~~In-situ sampling systems are exempt from subsection (e).~~

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.429 Standards for Control Devices

Control devices used to comply with Section 218.428(c) of this Part shall comply with the following:

- a) If the control device is a vapor recovery system (for example, condensers and adsorbers), it shall be designed and operated to recover the VOM emissions vented to it with an efficiency of 95 percent or greater.
- b) If the control device is an enclosed combustion device, it shall be designed and operated to reduce the VOM emissions vented to it with an efficiency of 95 percent or greater, or to provide a minimum residence time of 0.75 seconds at a minimum temperature of 816°C.
- c) If the control device is a flare, it shall:
 - 1) Be designed for and operated with no visible emissions as determined by USEPA Reference Method 22, 40 CFR 60, Appendix A (1986), incorporated by reference in Section 218.112, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.
 - 2) Be operated with a pilot flame present at all times and shall be monitored with a thermocouple or any other equivalent device to detect the

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presence of the pilot flame.

- 3) Be steam-assisted, air assisted, or nonassisted.
- 4) Be used only with the net heating value of the gas being combusted being 11.2 MJ/scm (300 Btu/scf) or greater if the flare is steam-assisted or air-assisted; or with the net heating value of the gas being combusted being 7.45 MJ/scm or greater if the flare is nonassisted. The net heating value of the gas being combusted shall be calculated using the following equation:

$$H_i = \sum_{i=1}^n K_i C_i H_i$$

Where:

H_i = Net heating value of the sample in MJ/scm; where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C- i

K = Constant,

$$1.740 \times 10^{-7} \text{ (1/ppm) (g-mole/scm) (MJ/Kcal)}$$

where

standard temperature for (g-mole/scm) is 20°C- i

C_i = Concentration of sample component i , in ppm, as measured by USEPA Reference Method 18, 40 CFR 60, Appendix A (1986), and ASTM D 2504-83, both incorporated by reference in Section 218.112- i

H_i = Net heat of combustion of sample component i , kcal/g mole. The heats of combustion may be

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determined using ASTM D 2382-83, incorporated by reference in Section 218.112 of this Part, if published values are not available or cannot be calculated.

at a readily accessible location at the source for a minimum of two years after the control device is permanently shutdown.

- 5) Steam-assisted and nonassisted flares shall be designed and operated with an exit velocity, as determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by USEPA Reference Method 2 or 2A, 40 CFR 60, Appendix A (1986) incorporated by reference in Section 218.112 of this Part, as appropriate; by the unobstructed (free) cross sectional area of the flare tip, less than 18 m/sec (60 ft/sec).

- 6) Air-assisted flares shall be designed and operated with an exit velocity less than the maximum permitted velocity, V_{max} , as determined by the following equation:

$$\begin{aligned} V_{max} &= 8.706 + 0.7084(H)^{-1} \\ V_{max} &= \text{Maximum permitted velocity, m/sec.} \\ 8.706 &= \text{Constant-}i \\ 0.7084 &= \text{Constant-}i \\ H, &= \text{The net heating value as determined in subsection (c)(4) of this section.} \end{aligned}$$

- d) If the control device is a closed container, it shall be designed and operated to reduce the VOC emissions, vented from purged process fluid after transfer, to no detectable VOC emissions as determined by USEPA Reference Method 21 as specified at 40 CFR 60, Appendix A (1986), incorporated by reference in Section 218.112. For purposes of this Section, the phrase "after transfer" shall refer to the time at which the entire amount of purged process fluid resulting from a flushing or cleaning of the sample line enters the closed container or container including the final container(s) prior to disposal. The following information pertaining to closed vent systems and control devices subject to Section 218.429 shall be maintained by the owner or operator. These records shall be updated as necessary to describe current operation and equipment. The records shall be retained

- 1) Detailed schematics, design specifications, and piping and instrumentation diagrams;

- 2) The dates and description of any changes in design specifications;

- 3) A description of the parameter or parameters monitored and recorded as required in subsection (f)(1) to ensure that the control devices are operated and maintained in conformance with their design and an explanation why that parameter (or parameters) was selected for monitoring.

- e) ~~The owner or operator of a control device shall monitor the control device to ensure that it is operated and maintained in conformance with the manufacturer's specifications, modified to the particular process design.~~

- f) ~~The control device shall be operated at all times when emissions may be vented to it.~~

- f) Owners and operators of control devices used to comply with this Subpart shall monitor each control device to ensure that the control device is operated and maintained in conformance with its designs at all times that emissions may be vented to it. This monitoring shall be conducted in accordance with Section 218.429(d)(3). The records prepared as part of this monitoring activity shall include the dates of startup and shutdown of control devices and identify periods when the devices are not operated as designed, including periods when a flare pilot light does not have a flame.

- g) The requirements of subsections (d), (e) and (f) shall not apply to a combustion device used for disposal of purged process fluid which is subject to the BIF rules, located at the source or which is subject to the RCRA rules. The owner or operator of such combustion device shall satisfy applicable provisions of the RCRA or BIF Rules.

(Source: Amended at Ill. Reg. _____, effective _____)

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Section 218.430 Compliance Date (Repealed)

~~The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to 35 Ill. Adm. Code 215.430 through 215.438 as of December 31, 1987 shall have complied with the standards and limitations of these sections no later than December 31, 1987.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES;
ASPHALT MATERIALS

Section 218.441 Petroleum Refinery Waste Gas Disposal

- a) Except as provided in subsection (b) or (c) of this Section, no person shall cause or allow the discharge of organic materials in excess of 100 ppm equivalent methane (molecular weight 16.0) into the atmosphere from:

- 1) Any catalyst regenerator of a petroleum cracking system; or
 - 2) Any petroleum fluid coker; or
 - 3) Any other waste gas stream from any petroleum or petrochemical manufacturing process.
- b) Exception. Existing sources subject to subsection (a)(3) of this Section may, alternatively, at their election, comply with the organic material emission limitations imposed by 35 Ill. Adm. Code 2185.301 or 2185.302; provided, however, that there shall be no increase in emissions from such sources above the level of emissions in existence on May 3, 1979.

- c) New Sources. Sources subject to subsection (a)(3) of this Section, construction of which commenced on or after January 1, 1977, may, at their election, comply with the following emission limitations:

- 1) A maximum of eight pounds per hour of organic material; or
- 2) Emission of organic material in excess of the limitation of subsection (c)(1) of this Section is allowable if such emissions are controlled by air

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pollution control methods or equipment approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would otherwise be emitted to the atmosphere. Such methods or equipment must be approved by the Agency and approved by the USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.443 Wastewater (Oil/Water) Separator

No owner or operator of a petroleum refinery shall operate any wastewater (oil/water) separator at a petroleum refinery unless the separator is equipped with air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. If no odor nuisance exists, the limitation of this Section shall not apply if the vapor pressure of the organic material is below 10.34 kPa (1.5 psia) at 2984.3°K (70°F) at all times.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.445 Leaks: General Requirements

a) The owner or operator of a petroleum refinery shall:

- 1a) Develop a monitoring program plan consistent with the provisions of Section 218.446;
- 2b) Conduct a monitoring program consistent with the provisions of Section 218.447;
- 3c) Record all leaking components which have a volatile organic material concentration exceeding 10,000 ppm consistent with the provisions of Section 218.448;
- 4d) Identify each component consistent with the monitoring program plan submitted pursuant to Section 218.446;
- 5e) Repair and retest the leaking components as soon as possible within 22 days after the leak is found, but no later than June 1 for the purposes of Section 218.447(a)(1), unless the leaking components cannot be repaired until the unit is shut down for turnaround; and
- 6f) Report to the Agency consistent with the provisions of

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Section 218.449.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.446 Monitoring Program Plan for Leaks

The owner or operator of a petroleum refinery shall prepare a monitoring program plan which contains, at a minimum:

- a) An identification of all refinery components and the period in which each will be monitored pursuant to Section 218.447 of this part;
- b) The format for the monitoring log required by Section 218.448 of this part;
- c) A description of the monitoring equipment to be used pursuant to Section 218.447 of this part; and
- d) A description of the methods to be used to identify all pipeline valves, pressure relief valves in gaseous service and all leaking components such that they are obvious to both refinery personnel performing monitoring and Agency personnel performing inspections.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.447 Monitoring Program for Leaks

- a) The owner or operator of a petroleum refinery subject to Section 218.445 of this Part shall, for the purpose of detecting leaks, conduct a component monitoring program consistent with the following provisions:

- 1) Test once between March 1 and June 1 of each year, by methods referenced in Section 218.105(g) of this Part, all pump seals, pipeline valves in liquid service and process drains;
- 2) Test once each quarter of each calendar year, by methods referenced in Section 218.105(g) of this Part, all pressure relief valves in gaseous service, pipeline valves in gaseous service and compressor seals;
- 3) Inaccessible valves may be tested once each calendar year instead of once each quarter of each calendar year;

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- 4) Observe visually all pump seals weekly;
 - 5) Test immediately any pump seal from which liquids are observed dripping;
 - 6) Test any relief valve within 24 hours after it has vented to the atmosphere; and
 - 7) Test immediately after repair any component that was found leaking.
- b) Storage tank valves and pressure relief devices connected to an operating flare header or vapor recovery device are exempt from the monitoring requirements in subsection (a) of this Section.
 - c) The Agency or the USEPA may require more frequent monitoring than would otherwise be required by subsection (a) for components which are demonstrated to have a history of leaking.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.449 Reporting for Leaks

The owner or operator of a petroleum refinery shall:

- a) Submit a report to the Agency prior to the 1st day of both July and September listing all leaking components identified pursuant to Section 218.447 of this Part but not repaired within 22 days, all leaking components awaiting unit turnaround, the total number of components inspected and the total number of components found leaking;
- b) Submit a signed statement with the report attesting that all monitoring and repairs were performed as required under Sections 218.445 through 218.448 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.450 Alternative Program for Leaks

The Agency may approve an alternative program of monitoring, recordkeeping or reporting to that prescribed in Sections 218.446 through 218.449 of this Part upon a demonstration by the owner or operator of a petroleum refinery that the alternative program

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will provide refinery, Agency and USEPA personnel with an equivalent ability to identify and repair leaking components. Any alternative program can be allowed only if approved by the USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.452 Compliance Schedule for Leaks

The owner or operator of a petroleum refinery shall adhere to the increments of progress contained in the following schedule:

- a) Have submitted to the ~~USEPA~~ Agency a monitoring program consistent with Section 218.446 of this Part prior to September 1, 1990.
- b) Have submitted to the ~~USEPA~~ Agency the first monitoring report pursuant to Section 218.449 of this Part prior to October 1, 1990.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.453 Compliance Dates (Repealed)

~~Every owner or operator of a petroleum refinery subject to 35 Ill. Adm. Code 215, Subpart R as of December 31, 1987 shall have complied with its standards and limitations by December 31, 1987.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

Section 218.461 Manufacture of Pneumatic Rubber Tires

The owner or operator of an undertread cementing, treadend cementing or bead dipping operation at a pneumatic rubber tire manufacturing facility shall install and operate:

- a) A capture system, with minimum capture efficiency of 65 percent by weight of VOM for treadend cementing or bead dipping operations and a capture system with a minimum capture efficiency of 55.5 percent by weight of VOM for undertread cementing; and
- b) A control device that meets the requirements of one of the following:
 - 1) A carbon adsorption system designed and operated

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in a manner such that there is at least a 90 percent removal of VOM by weight from the gases ducted to the control device;

- 2) An afterburning system that oxidizes at least 90 percent of the captured nonmethane VOMs (VOM measured as total combustible carbon) to carbon dioxide and water; and
- 3) An alternative VOM emission reduction system demonstrated to have at least a 90 percent overall reduction efficiency and approved by the Agency and approved by the USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.462 Green Tire Spraying Operations

The owner or operator of a green tire spraying operation at a pneumatic rubber tire manufacturing facility shall:

- a) Install and operate:
 - 1) A capture system with a minimum capture efficiency of 90 percent by weight of VOM; and
 - 2) A control device that meets the requirements of one of the following:
 - A) A carbon adsorption system designed and operated in a manner such that there is at least 90 percent removal of VOM by weight from the ~~base~~ gases ducted to the control device;
 - B) An afterburning system that oxidizes at least 90 percent of the captured nonmethane VOM (measured as total combustible carbon) to carbon dioxide and water; or
 - C) An alternative VOM emission reduction system demonstrated to have at least a 90 percent overall reduction efficiency and approved by the Agency and approved by the USEPA as a SIP revision.
- b) Substitute for the normal solvent-based mold release compound water-based sprays containing:

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- 1) No more than five percent by volume of VOM as applied for the inside of tires;
- 2) No more than ten percent by volume of VOM as applied for the outside of tires.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.463 Alternative Emission Reduction Systems

In lieu of complying with Section 218.461 or 218.462 of this Part, the owner or operator of an emission source may utilize an alternative volatile organic emission reduction system, including an alternative production process, which is demonstrated to be equivalent to Section 218.461 or 218.462 of this Part on the basis of emissions of volatile organic matter. A treadend cementing operation shall be considered equivalent to Section 218.461 or 218.462 of this Part for the purposes of this Section if the total volatile organic emission from such operation is 10 grams or less per tire.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.464 Testing and Monitoring Emission Testing

- a) Upon a reasonable request by the Agency, the owner or operator of a VOM emission source required to comply with a limit of Sections 218.461 through 218.464 of this Part shall conduct emissions testing, at such person's own expense, to demonstrate compliance.
- b) A person planning to conduct a VOM emission test to demonstrate compliance shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so the Agency may observe the test.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.465 Compliance Dates (Repealed)

~~Every owner or operator of an emission source subject to 35-111-Adm. Code 215, Subpart 6, as of December 31, 1987 shall have complied with its standards and limitations by December 31, 1987.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 218.466 Compliance Plan (Repealed)

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- a) ~~The owner or operator of an emission source shall have submitted to the Agency a compliance plan, pursuant to 35-111-Adm. Code 201, Subpart H, including a project completion schedule where applicable, no later than April 21, 1987.~~

- b) ~~Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source may operate the emission source according to the plan and schedule as submitted.~~

- e) ~~The plan and schedule shall meet the requirements of 35-111-Adm. Code 201, Subpart H, including specific interim dates as required in 35-111-Adm. Code 201.242.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

SUBPART T: PHARMACEUTICAL MANUFACTURING

Section 218.480 Applicability

- a) The rules of this Subpart, except for Sections 218.483 through 218.485 of this Part, apply to all emission source units of VOM, including but not limited to reactors, distillation units, dryers, storage tanks for VOL, equipment for the transfer of VOL, filters, crystallizers, washers, laboratory hoods, pharmaceutical coating operations, mixing operations and centrifuges used in manufacturing, including packaging, of pharmaceuticals, and emitting more than 6.8 kg/day (15 lbs/day) and more than 2,268 kg/year (2.5 tons/year) of VOM. If such an emission source unit emits less than 2,268 kg/year (2.5 tons/year) of VOM, the requirements of this Subpart still apply to the emission source unit if VOM emissions from the emission source unit exceed 45.4 kg/day (100 lbs/day).

- b) Notwithstanding subsection (a) of this Section, the air suspension coater/dryer, fluid bed dryers, tunnel dryers, and Accelacotas located in Libertyville Township, Lake County, Illinois shall be exempt from the rules of this Subpart, except for Sections 218.483 through 218.485, if emissions of VOM not vented to air pollution control equipment do not exceed the following levels:

- 1) ~~For the air suspension coater/dryer: 2,268 kg/year (2.5 tons/year);~~

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- 2) For each fluid bed dryer: 4,535 kg/year (5.0 tons/year);
- 3) For each tunnel dryer: 6,803 kg/year (7.5 tons/year)† and
- 4) For each Accelacota: 6,803 kg/year (7.5 tons/year).

c) Sections 218.483 through 218.485 of this Part apply to a ~~plant~~source having one or more emission ~~sources~~units that:

- 1) Are used to manufacture pharmaceuticals, and
- 2) Emit more than 6.8 kg/day (15 lbs/day) of VOM and more than 2,268 kg/year (2.5 tons/year) of VOM, or, if less than 2,268 kg/year (2.5 tons/year), these Sections still apply if emissions from one or more sources exceed 45.4 kg/day (100 lbs/day).

d) No owner or operator shall violate any condition in a permit when the condition results in exclusion of an emission ~~source~~unit from this Subpart.

e) Any pharmaceutical manufacturing source that becomes subject to the provisions of this Subpart at any time shall remain subject to the provisions of this Subpart at all times.

f) Emissions subject to this Subpart shall be controlled at all times consistent with the requirements set forth in this Subpart.

g) Any control device required pursuant to this Subpart shall be operated at all times when the source it is controlling is operated.

h) Determinations of daily and annual emissions for purposes of this Section shall be made using both data on the hourly emission rate (or the emissions per unit of throughput) and appropriate daily and annual data from records of emission ~~source~~unit operation (or material throughput or material consumption data). In the absence of representative test data pursuant to Section 218.487 of this Part for the hourly emission rate (or the emissions per unit of throughput), such items shall be calculated using engineering

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calculations, including the methods described in Appendix B of "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products" (EPA-450/2-78-029), incorporated by reference in Section 218.112 of this Part. (This subsection shall not affect the Agency's or the USEPA's authority to require emission tests to be performed pursuant to Section 218.487 of this Part.)

(Source: Amended at ___ Ill. Reg. ___, effective ___)
Section 218.481 Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers

a) The owner or operator shall equip all reactors, distillation units, crystallizers, centrifuges and vacuum dryers that are used to manufacture pharmaceuticals with surface condensers or other air pollution control equipment listed in subsection (b) of this Section. If a surface condenser is used, it shall be operated such that the condenser outlet gas temperature does not exceed:

- 1) 248.2°K (-13°F) when condensing VOM of vapor pressure greater than 40.0 kPa (5.8 psi) at 294.3°K (70°F), or
- 2) 258.2°K (5°F) when condensing VOM of vapor pressure greater than 20.0 kPa (2.9 psi) at 294.3°K (70°F), or
- 3) 273.2°K (32°F) when condensing VOM of vapor pressure greater than 10.0 kPa (1.5 psi) at 294.3°K (70°F), or
- 4) 283.2°K (50°F) when condensing VOM of vapor pressure greater than 7.0 kPa (1.0 psi) at 294.3°K (70°F), or
- 5) 298.2°K (77°F) when condensing VOM of vapor pressure greater than 3.45 kPa (0.5 psi) at 294.3°K (70°F).

b) If a scrubber, carbon adsorber, thermal afterburner, catalytic afterburner, or other air pollution control equipment other than a surface condenser is used, such equipment shall provide a reduction in the emissions of VOM of 90 percent or more.

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- c) The owner or operator shall enclose all centrifuges used to manufacture pharmaceuticals and that have an exposed VOL surface, where the VOM in the VOL has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294.3°K (70°F), except as production, sampling, maintenance, or inspection procedures require operator access.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.482 Control of Air Dryers, Production Equipment Exhaust Systems and Filters

- a) The owner or operator of an air dryer or production equipment exhaust system used to manufacture pharmaceuticals shall control the emissions of VOM from such emission ~~source~~ unit by air pollution control equipment which reduces by 90 percent or more the VOM that would otherwise be emitted into the atmosphere.

- b) The owner or operator shall enclose all rotary vacuum filters and other filters used to manufacture pharmaceuticals and that have an exposed VOL surface, where the VOM in the VOL has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294.3°K (70°F), except as production, sampling, maintenance, or inspection procedures require operator access.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.483 Material Storage and Transfer

The owner or operator of a pharmaceutical manufacturing plant ~~source~~ shall:

- a) Provide a vapor balance system that is at least 90 percent effective in reducing VOM emissions from truck or railcar deliveries to storage tanks with capacities equal to or greater than 7.57 m³ (2,000 gal) that store VOL with vapor pressures greater than 28.0 kPa (4.1 psi) at 294.3°K (70°F), and
- b) Install, operate, and maintain pressure/vacuum conservation vents set at 0.2 kPa (0.03 psi) or greater on all storage tanks that store VOL with vapor pressures greater than 10 kPa (1.5 psi) at 294.3°K (70°F).

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.485 Leaks

The owner or operator of a pharmaceutical manufacturing plant ~~source~~ shall repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found. If the leaking component cannot be repaired until the process unit is shut down, the leaking component must then be repaired before the unit is restarted.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.486 Other Emission ~~Source~~s Units

The owner or operator of a washer, laboratory hood, tablet coating operation, mixing operation or any other process emission ~~source~~ unit not subject to Sections 218.481 through 218.485 of this Part, and used to manufacture pharmaceuticals shall control the emissions of VOM from such emission ~~source~~ units by:

- a) Air pollution control equipment which reduces by 81 percent or more the VOM that would otherwise be emitted to the atmosphere, or
- b) A surface condenser which captures all the VOM which would otherwise be emitted to the atmosphere and which meets the requirements of Section 218.481(a) of this Part ~~and (b)~~.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.487 Testing

- a) Upon request by the Agency or the USEPA, the owner or operator of any VOM emission source subject to this Subpart or exempt from this Subpart by virtue of the provisions of Section 218.480 of this Part shall, at his own expense, demonstrate compliance to the Agency and the USEPA by the methods or procedures listed in Section 218.105(f)(1) of this Part.

- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency and the USEPA of that intent not less than 30 calendar days before the planned initiation of the test.

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(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.489 Recordkeeping for Air Pollution Control Equipment

- a) The owner or operator of a pharmaceutical manufacturing ~~facility~~ source shall maintain the following records:

1) Parameters listed in Section 218.488(a)(4) of this Part shall be recorded.

2) For ~~source~~ emission units subject to Section 218.481, of this Part, the vapor pressure of VOM being controlled shall be recorded for every process.

- b) For any leak subject to Section 218.485 of this Part which cannot be readily repaired within one hour after detection, the following records shall be kept:

- 1) The name of the leaking equipment,
- 2) The date and time the leak is detected,
- 3) The action taken to repair the leak, and
- 4) The date and time the leak is repaired.

- c) The following records shall be kept for emission ~~source~~ units subject to Section 218.484 of this Part which contain VOL:

- 1) For maintenance and inspection:

- A) The date and time each cover is opened,
- B) The length of time the cover remains open, and
- C) The reason why the cover is opened.

- 2) For production and sampling, detailed written procedures or manufacturing directions specifying the circumstances under which covers may be opened and the procedures for opening covers.

- d) For each emission ~~source~~ unit used in the manufacture of pharmaceuticals for which the owner or operator of a

pharmaceutical manufacturing ~~plant~~ source claims emission standards are not applicable, because the emissions are below the applicability cutoffs in Section 218.480(a) or 218.480(b) of this Part, the owner or operator shall:

- 1) Maintain a demonstration including detailed engineering calculations of the maximum daily and annual emissions for each such emission ~~source~~ unit showing that the emissions are below the applicability cutoffs in Section 218.480(a) or 218.480(b) of this Part, as appropriate, for the current and prior calendar years;
 - 2) Maintain appropriate operating records for each such emission source to identify whether the applicability cutoffs in Section 218.480(a) or 218.480(b) of this Part, as appropriate, are ever exceeded; and
 - 3) Provide written notification to the Agency and the USEPA within 30 days of a determination that such an emission ~~source~~ unit has exceeded the applicability cutoffs in Section 218.480(a) or 218.480(b) of this Part, as appropriate.
- e) Records required under subsection (a) of this Section shall be maintained by the owner or operator for a minimum of two years after the date on which they are made.
- f) Copies of the records shall be made available to the Agency or the USEPA upon verbal or written request.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART V: AIR OXIDATION PROCESSES

Section 218.521 Definitions (Repealed)

~~In addition to the definitions of 35 Ill. Adm. Code 211, Section 210.104 the following definitions apply to this Subpart:~~

~~"Air Oxidation Process", any unit process including ammoxidation and oxychlorination which uses air or a combination of air and oxygen as an oxidant in combination with one or more organic reactants to produce one or more organic compounds.~~

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"Cost Effectiveness": the annual expense for cost of control of a given process stream divided by the reduction in emissions of organic material of that stream.

"Flow (F)": Vent stream flowrate (scm/min) at a standard temperature of 20°C.

"Full Operating Flowrate": Maximum operating capacity of the facility.

"Hourly Emissions (E)": Hourly emissions reported in kg/hr measured at full operating flowrate.

"Net Heating Value (H)": Vent stream net heating value (MJ/scm), where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of "Flow."

"Process Vent Stream": An emission stream resulting from an air oxidation process.

"Total Resource Effectiveness Index (TRE)": Cost effectiveness in dollars per megagram of controlling any gaseous stream vented to the atmosphere from an air oxidation process divided by \$1600/Mg, using the criteria and methods set forth in this Subpart and Appendices C and D.

Source: Repealed at Ill. Reg. _____, effective _____)

Section 218.525 Emission Limitations for Air Oxidation Processes

a) No person shall cause or allow the emission of VOM from any process vent stream unless the process vent stream is vented to a combustion device which is designed and operated either:

1) To reduce the volatile organic emissions vented to it with an efficiency of at least ninety eight percent (98%) by weight; or

2) To emit VOM at a concentration less than twenty parts per million by volume, dry basis.

b) An air oxidation facility process vent stream for which an existing combustion device is employed to

control process VOM emissions are not required to meet the 98 percent emissions limit until the combustion device is replaced for other reasons, which shall be considered to include, but not be limited to, normal maintenance, malfunction, accident, and obsolescence. The combustion device is considered to be replaced when:

1) All of the device is replaced; or

2) When the cost of the repair of the device or the cost of replacement of part of the device exceeds 50% of the cost of replacing the entire device with a device which complies.

c) The limitations of subsection (a) above do not apply to any process vent stream or combination of process vent streams which has a Total Resource Effectiveness Index (TRE) greater than 1.0, as determined by the following methods:

1) If an air oxidation process has more than one process vent stream, TRE shall be based upon a combination of the process vent streams.

2) TRE of a process vent stream shall be determined according to the following equation:

$$TRE = \frac{E^1}{F F_0^{0.5}} [a + b F^a + c F + d F H + e (F H)^a +$$

where:

n = 0.88;

TRE = Total resource effectiveness index_{TRE}

F = Vent stream flowrate (scm/min), at a standard temperature of 20°C;

E = Hourly measured emissions in kg/hr;

H = Net heating value of vent stream (MJ/scm), where the net enthalpy per mole of offgas is based on

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combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of "Flow"₁

a, b, c,
d, e
and f =

Coefficients obtained by use of Appendix F_D.

- 3) For nonchlorinated process vent streams, if the net heating value, H, is greater than 3.6 MJ/scm, F shall be replaced by F₁ for purposes of calculating TRE. F₁ is computed as follows:

$$F_1 F' = FH / 3.6$$

where F and H are as defined in subsection (c)(2) of this Section.

- 4) The actual numerical values used in the equation described in subsection (c)(2) above shall be determined as follows:

- A) All reference methods and procedures for determining the flow, (F), hourly emissions, (E), and net heating, (H), value shall be in accordance with Appendix C.
- B) All coefficients described in subsection (c)(2) of this Section shall be in accordance with Appendix D.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.527 Compliance Date (Repealed)

~~Each owner or operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart V, as of December 31, 1987 shall have complied with the standards and limitations of 35 Ill. Adm. Code 215, Subpart V, by December 31, 1987.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

SUBPART W: AGRICULTURE

Section 218.541 Pesticide Exception

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The provisions of Sections 218.301 and 218.302 of this Part shall not apply to the spraying or use of insecticides, herbicides or other pesticides.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART X: CONSTRUCTION

Section 218.562 Paving Operations

The provisions of Sections 218.301 and 218.302 of this Part shall not apply to the application of paving asphalt and pavement marking paint from sunrise to sunset.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART Y: GASOLINE DISTRIBUTION

Section 218.581 Bulk Gasoline Plants

- a) Subject to Subsection (e) of this Section, no person may cause or allow the transfer of gasoline from a delivery vessel into a stationary storage tank located at a bulk gasoline plant unless:

1) The delivery vessel and the stationary storage tank are each equipped with a vapor collection system that meets the requirements of subsection (d)(4) of this Section₁

2) Each vapor collection system is operating₁

3) The delivery vessel displays the appropriate sticker pursuant to the requirements of Sections 218.584 (b) or (d) of this Part₁

4) The pressure relief valve(s) on the stationary storage tank and the delivery vessel are set to release at no less than 0.7 psi or the highest pressure allowed by state or local fire codes or the guidelines of the National Fire Prevention Association₁ and

5) The stationary storage tank is equipped with a submerged loading pipe.

- b) Subject to subsection (f) of this Section, no person may cause or allow the transfer of gasoline from a

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stationary storage tank located at a bulk gasoline plant into a delivery vessel unless:

- 1) The requirements set forth in subsections (a)(1) through (a)(4) of this Section are met; and
 - 2) Equipment is available at the bulk gasoline plant to provide for the submerged filling of the delivery vessel or the delivery vessel is equipped for bottom loading.
- c) Subject to subsection (e) of this Section, each owner of a stationary storage tank located at a bulk gasoline plant shall:
- 1) Equip each stationary storage tank with a vapor control system that meets the requirements of subsection (a) or (b) of this Section, whichever is applicable;
 - 2) Provide instructions to the operator of the bulk gasoline plant describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system; and
 - 3) Repair, replace or modify any worn out or malfunctioning component or element of design.

d) Subject to subsection (e) of this Section, each operator of a bulk gasoline plant shall:

- 1) Maintain and operate each vapor control system in accordance with the owner's instructions;
- 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system; and
- 3) Maintain gauges, meters or other specified testing devices in proper working order;
- 4) Operate the bulk plant vapor collection system and gasoline loading equipment in a manner that prevents:

- A) Gauge pressure from exceeding 45.7 cm (18

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in.) of water and vacuum from exceeding 15.2 cm (6 in.) of water, as measured as close as possible to the vapor hose connection; and

- B) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", Appendix B, EPA 450/2-78-051, (incorporated by reference in Section 218.112) of this Part; and
 - C) Avoidable leaks of liquid during loading or unloading operations.
- 5) Provide a pressure tap or equivalent on the bulk plant vapor collection system in order to allow the determination of compliance with subsection (d)(4)(A) of this Section; and
 - 6) Within 15 business days after discovery of any leak by the owner, the operator, the Agency or the USEPA, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A) or (B) of this Section.
- e) The requirements of subsections (a), (c) and (d) of this Section shall not apply to:
- 1) Any stationary storage tank with a capacity of less than 2,177 l (575 gal); or
 - 2) Any bulk gasoline plant whose daily gasoline throughput is less than 15,140 l (4,000 gal/day) on a thirty-day rolling average.
- f) The requirements of subsection (b) of this Section shall apply only to bulk gasoline plants whose daily gasoline throughput is greater than or equal to 15,140 l (4,000 gal/day) on a thirty-day rolling average.
- g) Any bulk gasoline plant which is ever subject to subsections (a), (b), (c), or (d) shall always be subject to these paragraphs.

(Source: Amended at 111. Reg. —, effective —)

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Section 218.582 Bulk Gasoline Terminals

- a) No person shall cause or allow the transfer of gasoline into any delivery vessel from any bulk gasoline terminal unless:

- 1) The bulk gasoline terminal is equipped with a vapor control system that limits emission of VOM to 80 mg/1 (0.00067 lbs/gal) of gasoline loaded;
- 2) The vapor control system is operating and all vapors displaced in the loading of gasoline to the delivery vessel are vented only to the vapor control system;
- 3) There is no liquid drainage from the loading device when it is not in use;
- 4) All loading and vapor return lines are equipped with fittings which are vapor tight; and
- 5) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 218.584(b) or (d) of this Part; or, if the terminal is driver-loaded, the terminal owner or operator shall be deemed to be in compliance with this Section when terminal access authorization is limited to those owners and/or operators of delivery vessels who have provided a current certification as required by Section 218.584(c) (3) of this Part.

b) ~~Bulk gasoline terminals were required to take certain actions to achieve compliance which are summarized in 35 Ill. Adm. Code 215, Appendix G.~~

e) The operator of a bulk gasoline terminal shall:

- 1) Operate the terminal vapor collection system and gasoline loading equipment in a manner that prevents:
 - A) Gauge pressure from exceeding 18 inches of water and vacuum from exceeding 6 inches of water as measured as close as possible to the vapor hose connection; and
 - B) A reading equal to or greater than 100

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percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B, incorporated by reference in Section 218.112 of this Part; and

- C) Avoidable leaks of liquid during loading or unloading operations.
- 2) Provide a pressure tap or equivalent on the terminal vapor collection system in order to allow the determination of compliance with Section 218.582(d) (1) (A) of this Part; and
- 3) Within 15 business days after discovery of the leak by the owner, operator, or the Agency repair and retest a vapor collection system which exceeds the limits of subsection (c) (1) (A) or (B) of this Section.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 218.583 Gasoline Dispensing Facilities Operations

- a) Subject to subsection (b) of this Section, no person shall cause or allow the transfer of gasoline from any delivery vessel into any stationary storage tank at a gasoline dispensing facility operation unless:

- 1) The tank is equipped with a submerged loading pipe; and
- 2) The vapors displaced from the storage tank during filling are processed by a vapor control system that includes one or more of the following:
 - A) A vapor collection system that meets the requirements of subsection (d) (4) of this Section; or
 - B) A refrigeration-condensation system or any other system approved by the Agency and approved by the USEPA as a SIP revision, that recovers at least 90 percent by weight of all vaporized organic material from the equipment being controlled; and

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- c) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 218.584(b) or (d) of this Part.
- b) The requirements of subsection (a)(2) above shall not apply to transfers of gasoline to a stationary storage tank at a gasoline dispensing facility operation if:
- 1) The tank is equipped with a floating roof, or other system of equal or better emission control approved by the Agency and approved by the USEPA as a SIP revision;
 - 2) The tank has a capacity of less than 2000 gallons and was in place and operating before January 1, 1979; or
 - 3) The tank has a capacity of less than 575 gallons.
- c) Subject to subsection (b) above, each owner of a gasoline dispensing facility operation shall:
- 1) Install all control systems and make all process modifications required by subsection (a) of this Section;
 - 2) Provide instructions to the operator of the gasoline dispensing facility operation describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system; and
 - 3) Repair, replace or modify any worn out or malfunctioning component or element of design.
- d) Subject to subsection (b) of this Section, each operator of a gasoline dispensing facility operation shall:
- 1) Maintain and operate each vapor control system in accordance with the owner's instructions;
 - 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system;
 - 3) Maintain gauges, meters or other specified testing

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- devices in proper working order;
- 4) Operate the vapor collection system and delivery vessel unloading points in a manner that prevents:
- A) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B, and
 - B) Avoidable leaks of liquid during the filling of storage tanks; and
- 5) Within 15 business days after discovery of the leak by the owner, operator, or the Agency, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A) above.
- e) Gasoline dispensing facilities were required to take certain actions to achieve compliance which are summarized in 35 Ill. Adm. Code 215, Appendix G.
- (Source: Amended at ___ Ill. Reg. ___, effective ___)
- Section 218.584 Gasoline Delivery Vessels
- a) Any delivery vessel equipped for vapor control by use of vapor collection equipment:
- 1) Shall have a vapor space connection that is equipped with fittings which are vapor tight;
 - 2) Shall have its hatches closed at all times during loading or unloading operations, unless a top loading vapor recovery system is used;
 - 3) Shall not internally exceed a gauge pressure of 18 inches of water or a vacuum of 6 inches of water;
 - 4) Shall be designed and maintained to be vapor tight at all times during normal operations;
 - 5) Shall not be refilled in Illinois at other than:
- A) A bulk gasoline terminal that complies with the requirements of Section 218.582 of this Part or

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B) A bulk gasoline plant that complies with the requirements of Section 218.581(b) of this Part.

6) Shall be tested annually in accordance with Method 27, 40 CFR 60, Appendix A, incorporated by reference in Section 218.105. Each vessel must be repaired and retested within 15 business days after discovery of the leak by the owner, operator, or the Agency, when it fails to sustain:

- A) A pressure drop of no more than three inches of water in five minutes; and
- B) A vacuum drop of no more than three inches of water in five minutes.

b) Any delivery vessel meeting the requirements of subsection (a) of this Section shall have a sticker affixed to the tank adjacent to the tank manufacturer's data plate which contains the tester's name, the tank identification number and the date of the test. The sticker shall be in a form prescribed by the Agency, and, for those delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987 shall have been displayed no later than December 31, 1987.

c) The owner or operator of a delivery vessel shall:

- 1) Maintain copies of any test required under subsection (a) (6) of this Section for a period of 3 years;
- 2) Provide copies of these tests to the Agency upon request; and
- 3) Provide annual test result certification to bulk gasoline plants and terminals where the delivery vessel is loaded.

d) Any delivery vessel which has undergone and passed a test in another state which has a USEPA-approved leak testing and certification program will satisfy the requirements of subsection (a) of this Section. Delivery vessels must display a sticker, decal or stencil approved by the state where tested or comply with the requirements of subsection (b) of this Section. All such stickers, decals or stencils shall

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have been displayed no later than December 31, 1987, for delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.585 Gasoline Volatility Standards

a) No person shall sell, offer for sale, dispense, supply, offer for supply, or transport for use in Illinois gasoline whose Reid vapor pressure exceeds the applicable limitations set forth in subsections (b) and (c) of this Section during the regulatory control periods, which shall be July May 1 to August-31 September 15 for retail outlets, wholesale purchaser-consumer, facilities operations, and all other facilities operations.

b) The Reid vapor pressure of gasoline, a measure of its volatility, shall not exceed 9.50 psi (65-5 62.07 kPa) during the regulatory control period in 1990 and each year thereafter.

c) The Reid vapor pressure of ethanol blend gasolines shall not exceed the limitations for gasoline set forth in subsection (b) of this Section by more than 1.0 psi (6.9 kPa). Notwithstanding this limitation, blenders of ethanol blend gasolines whose Reid vapor pressure is less than 1.0 psi above the base stock gasoline immediately after blending with ethanol are prohibited from adding butane or any product that will increase the Reid vapor pressure of the blended gasoline.

d) All sampling of gasoline required pursuant to the provisions of this Section shall be conducted by one or more of the following approved methods or procedures which are incorporated by reference in Section 215.105.

- 1) For manual sampling, ASTM D4057;
- 2) For automatic sampling, ASTM D4177;
- 3) Sampling procedures for Fuel Volatility, 40 CFR 80 Appendix D.

e) The Reid vapor pressure of gasoline shall be measured in accordance with either test method ASTM D323 or a modification of ASTM D323 known as the "dry method" as

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set forth in 40 CFR 80, Appendix E, incorporated by reference in 35 Ill. Adm. Code 215.218.105112 of this Part. For gasoline - oxygenate blends which contain water-extractable oxygenates, the Reid vapor pressure shall be measured using the dry method test.

f) The ethanol content of ethanol blend gasolines shall be determined by use of one of the approved testing methodologies specified in 40 CFR 80, Appendix F, incorporated by reference in 35 Ill. Adm. Code 215.218.105112 of this Part.

g) Any alternate to the sampling or testing methods or procedures contained in subsections (d), (e), and (f) of this Section must be approved by the Agency, which shall consider data comparing the performance of the proposed alternative to the performance of one or more approved test methods or procedures. Such data shall accompany any request for Agency approval of any alternate test procedure. If the Agency determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test methods or procedures, the Agency shall approve the proposed alternative.

h) Each refiner or supplier that distributes gasoline or ethanol blends shall:

1) During the regulatory control period, state that the Reid vapor pressure of all gasoline or ethanol blends leaving the refinery or distribution facility operation for use in Illinois complies with the Reid vapor pressure limitations set forth in 35 Ill. Adm. Code 215.218.585(b) and (c). Any facility operation receiving this gasoline shall be provided with a copy of an invoice, bill of lading, or other documentation used in normal business practice stating that the Reid vapor pressure of the gasoline complies with the State Reid vapor pressure standard.

2) Maintain records for a period of one year on the Reid vapor pressure, quantity shipped and date of delivery of any gasoline or ethanol blends leaving the refinery or distribution facility operation for use in Illinois. The Agency shall be provided with copies of such records if requested.

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(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.586 Gasoline Dispensing Facilities Operations - Motor Vehicle Fueling Operations

a) For the purposes of this Section, the following definitions apply.

1) Average Monthly Volumet Means the amount of motor vehicle fuel dispensed per month from a gasoline dispensing facility operation based upon a monthly average for the 2-year period of November, 1990 through October, 1992 or, if not available, the monthly average for the most recent twelve calendar months. Monthly averages are to include only those months when the facility operation was operating.

2) Certified Means any vapor collection and control system which has been tested and approved by CARB as having a vapor recovery and removal efficiency of at least 95% (by weight) shall constitute a certified vapor collection and control system. CARB testing and approval is pursuant to the CARB manual, hereby incorporated by reference at 218.112 of this Part (California Air Resources Board, Compliance Division, Compliance Assistance Program, Facilities Phase I & II (October 1988, rev. March 1991 CARB Manual)). This incorporation includes no later additions or amendments.

3) Completion of installation Means the successful passing of one or more of the following tests applicable to the installed vapor collection and control system: Dynamic Backpressure Test, Pressure Decay/Leak Test, and Liquid Blockage Test, (United States Environmental Protection Agency, Washington D.C., EPA-450-3-91-002b). These tests are hereby incorporated by reference at 218.112 of this Part. This incorporation includes no later additions or amendments.

4) Constructed Means fabricated, erected or installed; refers to any facility, emission source or air pollution control equipment.

5) CARB Means California Air Resources Board, P.O. Box 2815, Sacramento, CA 95812.

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- 6) Employee+ means any person who performs work for an employer.
- 7) Facility+ means any building, structure, installation, operation or combination thereof located on contiguous properties and under common ownership that provides for the dispensing of motor vehicle fuel.
- 8) Gasoline dispensing facility+ means any facility+ where motor vehicle fuel is dispensed into motor vehicle fuel tanks or portable containers from a storage tank with a capacity of 2176 liters (575 gallons) or more.
- 9) Modification+ means any change, removal or addition, other than an identical replacement, of any component contained within the vapor collection and control system.
- 10) Motor vehicle+ means any self-propelled vehicle powered by an internal combustion engine including, but not limited to, automobiles and trucks. Specifically excluded from this definition are watercraft and aircraft.
- 11) Motor vehicle fuel+ means any petroleum distillate having a Reid vapor pressure of more than 27.6 kilopascals (kpa) (four pounds per square inch) and which is used to power motor vehicles.
- 12) Owner or operator+ means any person who owns, leases, operates, manages, supervises or controls (directly or indirectly) a gasoline dispensing facility+.
- 13) Reid vapor pressure+ for gasoline, it shall be measured in accordance with either the method ASTM D323 or a modification of ASTM D323 known as the "dry method" as set forth in 40 CFR 80, Appendix E, incorporated by references in 35 Ill. Adm. Code 215-105218.112 of this Part.
- 14) Vapor collection and control system+ means any system certified by CARB which limits the discharge to the atmosphere of motor vehicle fuel vapors displaced during the dispensing of motor

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- vehicle fuel into motor vehicle fuel tanks.
- b) The provisions of subsection (c) of this Section below shall apply to any gasoline dispensing facility+ operation which dispenses an average monthly volume of more than 10,000 gallons of motor vehicle fuel per month. Compliance shall be demonstrated in accordance with the schedule provided in subsection (d) of this Section below.
- c) No owner or operator of a gasoline dispensing facility+ operation subject to the requirements of subsection (b) of this Section above shall cause or allow the dispensing of motor vehicle fuel at any time from a motor fuel dispenser unless the dispenser is equipped with and utilizes a vapor collection and control system which is properly installed and operated as provided below:
 - 1) Any vapor collection and control system installed, used or maintained has been CARB certified.
 - 2) Any vapor collection and control system utilized is maintained in accordance with the manufacturer's specifications and the certification.
 - 3) No elements or components of a vapor collection and control system are modified, removed, replaced or otherwise rendered inoperative in a manner which prevents the system from performing in accordance with its certification and design specifications.
 - 4) A vapor collection and control system has no defective, malfunctioning or missing components.
 - 5) Operators and employees of the gasoline dispensing facility+ operation are trained and instructed in the proper operation and maintenance of a vapor collection and control system.
 - 6) Instructions are posted in a conspicuous and visible place within the motor fuel dispensing area and describe the proper method of dispensing motor vehicle fuel with the use of the vapor collection and control system.

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- d) In conjunction with the compliance provisions of Section 218.105 of this Part, facilities operations subject to the requirements of subsection (c) above shall demonstrate compliance according to the following:
- 1) Facilities operations that commenced construction after November 1, 1990, must comply by May 1, 1993.
 - 2) Facilities operations that commenced construction before November 1, 1990, and dispense an average monthly volume of more than 100,000 gallons of motor fuel per month must comply by November 1, 1993.
 - 3) Facilities operations that commenced construction before November 1, 1990, and dispense an average monthly volume of less than 100,000 gallons of motor fuel per month must comply by November 1, 1994.
 - 4) New facilities operations constructed after the adoption of this Section shall comply with the requirements of subsection (c) above upon startup of the facility operation.
 - 5) Existing facilities operations previously exempted from but which become subject to the requirements of subsection (c) above after May 1, 1993 shall comply with the requirements of subsection (c) above within six calendar months of the date from which the facility operation becomes subject.
- e) Any gasoline dispensing facility operation that becomes subject to the provisions of subsection (c) above at any time shall remain subject to the provisions of subsection (c) above at all times.
- f) Upon request by the Agency, the owner or operator of a gasoline dispensing facility operation which claims to be exempt from the requirements of this Section shall submit records to the Agency within 30 calendar days from the date of the request which demonstrate that the gasoline dispensing facility operation is in fact exempt.
- g) Recordkeeping and reporting:

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- 1) Any gasoline dispensing facility operation subject to subsection (c) above shall retain at the facility operation copies of the registration information required at subsection (h) below.
 - 2) Records and reports required pursuant to this subsection shall be made available to the Agency upon request. Records and reports which shall be maintained by the owner or operator of the gasoline dispensing facility operation shall clearly demonstrate:
 - A) That a certified vapor collection and control system has been installed and tested to verify its performance according to its specifications.
 - B) That proper maintenance has been conducted in accordance with the manufacturer's specifications and requirements.
 - C) The time period and duration of all malfunctions of the vapor collection and control system.
 - D) The motor vehicle fuel throughput of the facility operation for each calendar month of the previous year.
 - E) That operators and employees are trained and instructed in the proper operation and maintenance of the vapor collection and control system and informed as to the potential penalties associated with the violation of any provision of this Section.
- h) Any gasoline dispensing facility operation subject to subsection (c) above shall be exempt from the permit requirements specified under 35 Ill. Adm. Code 201.142, 201.143 and 201.144 for its vapor collection and control systems, provided that:
- 1) Upon the installation of a vapor collection and control system, the owner or operator of the gasoline dispensing facility operation submits to the Agency a registration which provides at minimum the facility operation name and address, signature of the owner or operator, the CARB

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Executive Order Number for the vapor collection and control system to be utilized, the number of nozzles (excluding diesel or kerosene) used for motor vehicle refueling, the monthly average volume of motor vehicle fuel dispensed, the location (including contact person's name, address, and telephone number) of records, and reports required by this Section, and the date of completion of installation of the vapor collection and control system.

- 2) The registration is submitted to the Agency within 30 days of completion of such installation.
- 3) A copy of the registration information is maintained at the gasoline dispensing facility operation.
- 4) Upon the modification of an existing vapor collection and control system, the owner or operator of the gasoline dispensing facility operation submits to the Agency a registration that details the changes to the information provided in the previous registration of the vapor collection and control system and which includes the signature of the owner or operator. The registration must be submitted to the Agency within 30 days of completion of such modification.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART 2: DRY CLEANERS

Section 218.601 Perchloroethylene Dry Cleaners

The owner or operator of a dry cleaning facility operation which uses perchloroethylene shall:

- a) Vent the entire dryer exhaust through a properly designed and functioning carbon adsorption system or equally effective control device; and
- b) Emit no more than 100 ppmv of VOM from the dryer control device before dilution, or achieve a 90 percent average reduction before dilution; and
- c) Immediately repair all components found to be leaking liquid VOM; and

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- d) Cook or treat all diatomaceous earth filters so that the residue contains 25 kg (55 lb) or less of VOM per 100 kg (220 lb) of wet waste material; and
- e) Reduce the VOM from all solvent stills to 60 kg (132 lb) or less per 100 kg (220 lb) of wet waste material; and
- f) Drain all filtration cartridges in the filter housing or other sealed container for at least 24 hours before discarding the cartridges; and
- g) Dry all drained filtration cartridges in equipment connected to an emission reduction system or in a manner that will eliminate emission of VOM to the atmosphere.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.602 Exemptions

The provisions of Section 218.601 of this Part are not applicable to perchloroethylene dry cleaning operations which are coin-operated or to dry cleaning facilities operation consuming less than 30 gal per month (360 gal per year) of perchloroethylene.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.603 Leaks

The presence of leaks shall be determined for purposes of Section 218.601(c) of this Part by a visual inspection of the following: hose connections, unions, couplings and valves; machine door gaskets and seatings; filter head gasket and seating; pumps; base tanks and storage containers; water separators; filter sludge recovery; distillation unit; diverter valves; saturated lint from lint baskets; and cartridge filters.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.604 Compliance Dates (Repealed)

~~Every owner or operator of an emission source previously subject to 35 Ill. Adm. Code 215, Subpart 2, shall have complied with its standards and limitations in accordance with the applicable dates set forth in 35 Ill. Adm. Code 215.604.~~

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(Source: Repealed at ___ Ill. Reg. ____, effective ____)

Section 218.605 Compliance Plan (Repealed)

a) ~~The owner or operator of an emission source subject to this Subpart shall have submitted to the Agency a compliance plan, pursuant to 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule where applicable, no later than, for Section 218.601(a) and (b), April 21, 1993.~~

b) ~~Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source may operate the emission source according to the plan and schedule as submitted.~~

e) ~~The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H, including specific interim dates as required in 35 Ill. Adm. Code 201.242.~~

(Source: Repealed at ___ Ill. Reg. ____, effective ____)

Section 218.606 Exception to Compliance Plan (Repealed)

~~Coin-operated dry-cleaning operations and dry-cleaning facilities consuming less than 30 gal per month (360 gal per year) of perchloroethylene are not required to submit or obtain an Agency approved compliance plan or project completion schedule.~~

(Source: Repealed at ___ Ill. Reg. ____, effective ____)

Section 218.608 Operating Practices for Petroleum Solvent Dry Cleaners

In order to minimize fugitive solvent emissions, the owner or operator of a petroleum solvent dry cleaning facility shall employ good housekeeping practices including the following:

a) General Housekeeping Requirements

1) Equipment containing solvent (washers, dryers, extractors and filters) shall remain closed at all times except during load transfer and maintenance. Lint filter and button trap covers shall remain closed except when solvent-laden material is being removed.

2) Cans, buckets, barrels and other containers of

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solvent or of solvent-laden material shall be covered except when in use.

3) Solvent-laden material shall be exposed to the atmosphere only for the minimum time necessary for load transfer.

b) Installation and operation of equipment:

1) All cartridge filters shall be enclosed and operated in accordance with the procedures and specifications recommended by the manufacturer for the cartridge filter. After installation, the cartridges shall be inspected, monitored, and maintained in accordance with the manufacturer's recommendations; and

2) Vents on containers for new solvent and for solvent-containing waste shall be constructed and maintained so as to minimize solvent vapor emissions. Criteria for the minimization of solvent vapor emissions include the elimination of solvent buckets and barrels standing open to the atmosphere, and the repair of gaskets and seals that expose solvent-rich environments to the atmosphere, to be determined through visual inspection.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.609 Program for Inspection and Repair of Leaks

a) The owner or operator of a petroleum solvent dry cleaning facility shall conduct the following visual inspections on a weekly basis:

1) Washers, dryers, solvent filters, settling tanks, vacuum stills and containers and conveyors of petroleum solvent shall be inspected for visible leaks of solvent liquid.

2) Pipes, hoses and fittings shall be inspected for active dripping or dampness.

3) Pumps and filters shall be inspected for leaks around seals and access covers.

4) Gaskets and seals shall be inspected for wear and

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defects.

- b) Leaks of petroleum solvent liquid and vapors shall be repaired within three working days of detection, unless necessary replacement parts are not on site.

1) If necessary, repair parts shall be ordered within three working days of detection of the leak.

2) The leak shall be repaired within three days of delivery of necessary parts.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.610 Testing and Monitoring

a) Compliance with Sections 218.607(b)(2), 218.608 and 218.609 of this Part shall be determined by visual inspection; and

b) Compliance with Sections 218.607(a)(2) and (b)(1) of this Part shall be determined by methods described in EPA-450/3-82-009 (1982) incorporated by reference in Section 218.112 of this Part.

c) If a control device is used to comply with Section 218.607(a)(1) of this Part, then compliance shall be determined using 40 CFR 60 Appendix A, Method 25 (1984) incorporated by reference in Section 218.112 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.611 Exemption for Petroleum Solvent Dry Cleaners

The provisions of Sections 218.607 through 218.610 of this Part shall not apply to petroleum solvent dry cleaning facilities whose emissions of VOM do not exceed 91 megagrams (100 tons) per year in the absence of pollution control equipment or whose emissions of VOM, as limited by the operating permit, will not exceed 91 megagrams (100 tons) per year in the absence of pollution control equipment.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.612 Compliance Dates (Repealed)

Owners and operators of emission sources subject to 35 Ill. Adm.

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Code 215.607 through 215.609 as of December 31, 1987 shall have complied with the requirements set forth therein no later than December 31, 1987.

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 218.613 Compliance Plan (Repealed)

a) The owner or operator of an emission source subject to 35 Ill. Adm. Code 215.610(a) as of May 31, 1987 shall have submitted to the Agency a compliance plan including a project completion schedule where applicable, no later than May 31, 1987.

b) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

SUBPART AA: PAINT AND INK MANUFACTURING

Section 218.620 Applicability

a) This Subpart shall apply to all paint and ink manufacturing plant sources which:

1) Include process emission source units not subject to Subparts B, E, F (excluding Section 218.204(1) of this Part), H (excluding Section 218.405 of this Part), Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y, Z or BB of this Part; and which as a group both:

A) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and

B) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision, or

2) Produce more than 7,570,820 l (2,000,000 gal) per calendar year of paint or ink formulations, which

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contain less than 10 percent (by weight) water, and ink formulations not containing as the primary solvents water, Magie oil or glycol.

- b) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.621 Exemption for Waterbase Material and Heatset-Offset Ink

The requirements of Sections 218.624, and 218.625 and Section 218.628(a) of this Part shall not apply to equipment while it is being used to produce either:

- a) paint or ink formulations which contain 10 percent or more (by weight) water, or
- b) inks containing Magie oil and glycol as the primary solvent.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.623 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the ~~plant~~source or an emission source unit from this Subpart.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.624 Open-Top Mills, Tanks, Vats or Vessels

No person shall operate an open-top mill, tank, vat or vessel with a volume of more than 45 l (12 gal) for the production of paint or ink unless:

- a) The mill, tank, vat or vessel is equipped with a cover which completely covers the mill, tank, vat or vessel opening except for an opening no larger than necessary to allow for safe clearance for a mixer shaft. Such cover shall extend at least 1.27 cm (0.5 in) beyond the outer rim of the opening or be attached to the rim.

- b) The cover remains closed except when production, sampling, maintenance or inspection procedures require

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access.

- c) The cover is maintained in good condition such that, when in place, it maintains contact with the rim of the opening for at least 90 percent of the circumference of the rim.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.628 Leaks

The owner or operator of a paint or ink manufacturing ~~plant~~source shall, for the purpose of detecting leaks, conduct an equipment monitoring program as set forth below:

- a) Each pump shall be checked by visual inspection each calendar week for indications of leaks, that is, liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, the pump shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected.
- b) Any pump, valve, pressure relief valve, sampling connection, open-ended valve and flange or connector containing a fluid which is at least 10 percent VOM by weight which appears to be leaking on the basis of sight, smell or sound shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected.

- c) A weather proof, readily visible tag, in bright colors such as red or yellow, bearing an identification number and the date on which the leak was detected shall be attached to leaking equipment. The tag may be removed upon repair, that is, when the equipment is adjusted or otherwise altered to allow operation without leaking.

- d) When a leak is detected, the owner or operator shall record the date of detection and repair and the record shall be retained at the ~~plant~~source for at least two years from the date of each detection or each repair attempt. The record shall be made available to any person upon verbal or written request during business hours.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.636 Compliance Schedule

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Every owner or operator of a ~~an emission~~ source subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 218.106 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.637 Recordkeeping and Reporting

- a) Upon request by the Agency, the owner or operator of an emission source which claims to be exempt from the requirements of this Subpart shall submit records to the Agency within 30 calendar days from the date of the request which document that the emission source is in fact exempt from this Subpart. These records shall include (but are not limited to) the percent water (by weight) in the paint or ink being produced and the quantity of Magie oil, glycol and other solvents in the ink being produced.

- b) Every owner or operator of an emission source which is subject to the requirements of this Subpart shall maintain all records necessary to demonstrate compliance with those requirements at the facility source for three years.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART BB: POLYSTYRENE PLANTS

Section ~~218-875~~218.640 Applicability of ~~Subpart BB~~

The provisions of this Subpart shall apply to polystyrene plants:

- a) Which use continuous processes to manufacture polystyrene - polybutadiene co-polymer; and
- b) Which fall within Standard Industrial Classification Group No. 282, Industry No. 2821, except that the manufacture of polystyrene resins need not be the primary manufacturing process at the plant.

(Source: Renumbered from Section 218.875 and amended at ___ Ill. Reg. ___, effective ___)

Section ~~218-877~~218.642 Emissions Limitation at Polystyrene Plants

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No person shall cause or allow the emissions of VOM from the material recovery section to exceed 0.12 kg of Volatile Organic Material per 1000 kg of polystyrene resin produced.

(Source: Renumbered from Section 218.877 at ___ Ill. Reg. ___, effective ___)

Section ~~218-886~~218.644 Emissions Testing

- a) Upon a reasonable request by the Agency, the owner or operator of a polystyrene plant subject to this Subpart shall at his own expense demonstrate compliance by use of the following method: 40 CFR 60, Appendix A, Method 25 - Determination of Total Gaseous Non-Methane Organic Emissions as Carbon (1984), incorporated by reference in Section 218.112 of this Part.

- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so the Agency may observe the test.

(Source: Renumbered from Section 218.886 and amended at ___ Ill. Reg. ___, effective ___)

Section 218.875 Applicability of Subpart BB (Renumbered)

(Source: Renumbered to Section 218.640 at ___ Ill. Reg. ___, effective ___)

Section 218.877 Emissions Limitation at Polystyrene Plants (Renumbered)

(Source: Renumbered to Section 218.642 at ___ Ill. Reg. ___, effective ___)

Section 218.879 Compliance Date (Repealed)

Every owner and operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart BB, as of December 31, 1987, shall have complied with its standards and limitations by December 31, 1987.

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 218.881 Compliance Plan (Repealed)

- a) ~~The owner or operator of an emission source formerly~~

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subject to the requirements of 35 Ill. Adm. Code 215 Subpart BB shall have submitted to the Agency a compliance plan in accordance with 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule on or before December 1, 1987.

b) Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source subject to this Subpart may operate the emission source according to the plan and schedule as submitted.

c) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H and Section 218.683.

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 218.883 Special Requirements for Compliance Plan
(Repealed)

For sources subject to this Subpart, an approvable compliance plan shall include:

- a) A description of each process which is subject to an emissions limitation
- b) Quantification of the emissions from each process
- c) A description of the procedures and methods used to determine the emissions of VOM
- d) A description of the methods which will be used to demonstrate compliance with the allowable plantwide emission limitation (Section 215.877), including a method of inventory, recordkeeping and emission calculation or measurement.

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 218.886 Emissions Testing (Renumbered)

(Source: Renumbered to Section 218.644 at ___ Ill. Reg. ___, effective ___)

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

Section 218.920 Applicability

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a) The requirements of this Subpart shall apply to a plant-source's miscellaneous fabricated product manufacturing process emission source units which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, or Z or BB if the plant-source is subject to this Subpart. A plant-source is subject to this Subpart if it contains process emission source units, not regulated by Subparts B, E, F (excluding Section 218.204(1) of this Part), H (excluding Section 218.405 of this Part), Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y, or Z or BB of this Part; which as a group both:

- 1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable emission permit or a SIP revision.

b) If a plant-source ceases to fulfill the criteria of subsection (a) above, the requirements of this Subpart shall continue to apply to a miscellaneous fabricated products manufacturing process emission source unit which was ever subject to the control requirements of Section 218.926 of this Part.

c) No limits under this Subpart shall apply to emission source units with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such source emission units not complying with Section 218.926 does not exceed 4.5 Mg (5.0 tons) per calendar year of this Part.

d) For the purposes of this Subpart, an emission source unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission source unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. Its emissions are below

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~~the applicability cutoff level or if the source is covered by an exemption.~~

- e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 218.923 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plantsource or an emission sourceunit from this Subpart.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 218.926 Control Requirements

Every owner or operator of an ~~emission source~~ miscellaneous fabricated product manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) of this Section:

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating as applied (minus water and any compounds which are specifically exempted from the definition of VOM) during any day. Owners and operators complying with this Section are not required to comply with Section 218.301 of this Part, or

- c) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

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(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 218.927 Compliance Schedule

Every owner or operator of an emission ~~sourceunit~~ subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 218.106 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 218.928 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 281.926, the owner or operator of a VOM emission sourceunit subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

Section 218.940 Applicability

- a) The requirements of this Subpart shall apply to a plant-source's miscellaneous formulation manufacturing process emission sourceunits, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, ~~ex Z~~ or BB of this Part if the plantsource is subject to this Subpart. A plantsource is subject to this Subpart if it contains process emission sourceunits, not regulated by Subparts B, E, F (excluding Section 218.204(1) of this Part), H (excluding Section 218.405 of this Part), Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y, ~~ex Z~~ or BB of this Part; which as a group both:

- 1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and

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- 2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision.

b) If a plant source ceases to fulfill the criteria of subsection (a) of this Section, the requirements of this Subpart shall continue to apply to a miscellaneous formulation manufacturing process emission source unit which was ever subject to the control requirements of Section 218.946 of this Part.

c) No limits under this Subpart shall apply to emission source units with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such emission units exceed not complying with this Section does not exceed 4.5 Mg (5.0 tons) per calendar year.

d) For the purposes of this Subpart, an emission source unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission source unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. Its emissions are below the applicability cutoff level or if the source is covered by an exemption.

e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.943 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant source or an emission source unit from this Subpart.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.946 Control Requirements

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Every owner or operator of an miscellaneous formulation manufacturing process emission source unit subject to this Subpart shall comply with the requirements of subsection (a) or (b) below.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.947 Compliance Schedule

Every owner or operator of an emission source unit subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 218.106 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.948 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.946 of this Part, the owner or operator of a VOM emission source unit subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105 of this Part.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

Section 218.960 Applicability

- a) The requirements of this Subpart shall apply to a plant-source's miscellaneous organic chemical manufacturing process emission sourceunits which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, Z or BB of this Part, if the plantsource is subject to this Subpart. A plantsource is subject to this Subpart if it contains process emission sourceunits, not regulated by Subparts B, E, F (excluding Section 218.204(1) of this Part), H (excluding Section 218.405 of this Part), Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y, Z or BB of this Part; which as a group both:

- 1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable ~~construction~~ permit or a SIP revision.

- b) If a plantsource ceases to fulfill the criteria of Subsection (a) of this Section, the requirements of this Subpart shall continue to apply to a miscellaneous organic chemical manufacturing process emission sourceunit which was ever subject to the control requirements of Section 218.966 of this Part.

- c) No limits under this Subpart shall apply to emission sourceunits with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such emission units sourcees not complying with Section 218.966 of this Part does not exceed 4.5 Mg (5.0 tons) per calendar year.

- d) For the purposes of this Subpart, an emission source unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission sourceunit is not considered regulated by a Subpart if

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it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. its emissions are below the applicability cutoff level or if the source is covered by an exemption.

- e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

(Source: Amended at Ill. Reg. , effective)

Section 218.963 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plantsource or an emission sourceunit from this Subpart.

(Source: Amended at Ill. Reg. , effective)

Section 218.966 Control Requirements

Every owner or operator of an ~~emission source~~ miscellaneous organic chemical manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a) or (b) below.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

- c) Any leaks from components subject to the control requirements of this Subpart shall be subject to the following control measures:

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- 1) Repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found, unless the leaking component cannot be repaired until the process unit is shut down, in which case the leaking component must be repaired before the unit is restarted.

- 2) For any leak which cannot be readily repaired within one hour after detection, the following records, as set forth in this subsection, shall be kept. These records shall be maintained by the owner or operator for a minimum of two years after the date on which they are made. Copies of the records shall be made available to the Agency or USEPA upon verbal or written request.

A) The name and identification of the leaking component;

B) The date and time the leak is detected;

C) The action taken to repair the leak; and

D) The date and time the leak is repaired.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 218.967 Compliance Schedule

Every owner or operator of an emission sourceunit subject to the control requirements of this Subpart shall comply with the requirements of this Subpart on and after a date consistent with Section 218.106 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 218.968 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.966 of this Part, the owner or operator of a VOM emission sourceunit subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105 of this Part.

- b) Nothing in this Section shall limit the authority of

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the USEPA pursuant to the Clean Air Act, as amended, to require testing.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

SUBPART TT: OTHER EMISSION SOURCE UNITS

Section 218.980 Applicability

- a) The requirements of this Subpart shall apply to a plant-source's VOM emission sourceunits, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, Z, AA, BB, PP, QQ, or RR of this Part, or are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146, if the plantsource is subject to this Subpart. A plantsource is subject to this Subpart if it contains process emission sourceunits, not regulated by Subparts B, E, F (excluding Section 218.204(1) of this Part), H (excluding Section 218.405 of this Part), Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y or Z or BB of this Part, which as a group both:

- 1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and

- 2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction or operating permit or a SIP revision.

- b) If a plantsource ceases to fulfill the criteria of subsection (a), of this Section the requirements of this Subpart shall continue to apply to an emission sourceunit which was ever subject to the control requirements of Section 218.986 of this Part.

- c) No limits under this Subpart shall apply to emission sourceunits with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such emission units source not complying with Section 218.986 of this Part does not exceed 4.5 Mg (5.0 tons) per calendar year.

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d) For the purposes of this Subpart, an emission source unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission source unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. ~~its emissions are below the applicability cutoff level or if the source is covered by an exemption.~~

e) The control requirements in Subparts PP, QQ, RR, SS and TT shall not apply to sewage treatment plants, vegetable oil extraction and processing plants, coke ovens (including by-product recovery plants), fuel combustion sources, bakeries, barge loading facilities, jet engine test cells, pharmaceutical manufacturing production of polystyrene foam insulation board (including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the plant source), but not including blending and preliminary expansion of resin prior to molding where blowing agent is incorporated into the polystyrene resin by the producer of the resin, production of polystyrene foam packaging (not including blending and preliminary expansion of resin prior to molding where blowing agent is incorporated into the polystyrene resin by the producer of the resin; and storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the plant source); and iron and steel production.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.983 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant source or an emission source unit from this Subpart.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.986 Control Requirements

Every owner or operator of an emission source unit subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) below.

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a) Emission capture and control equipment which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied during any day. Owners and operators complying with this Section are not required to comply with Section 218.301 of this Part, or

c) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

d) Non-contact process water cooling towers which are subject to the control requirements of this Subpart shall comply with the following control measures no later than August 15, 1994 or upon initial startup:

1) The owner or operator of a non-contact process water cooling tower shall perform the following actions to control emissions of volatile organic material (VOM) from such a tower:

- A) Inspect and monitor such tower to identify leaks of VOM into the water, as further specified in subsection (d)(3) below;
- B) When a leak is identified, initiate and carry out steps to identify the specific leaking component or components as soon as practicable, as further specified in subsection (d)(4) below.
- C) When a leaking component is identified which:
 - i) Can be removed from service without disrupting production, remove the

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component from service;

- ii) Cannot be removed from service without disrupting production, undertake repair of the component at the next reasonable opportunity to do so including any period when the component is out of service for scheduled maintenance, as further specified in subsection (d)(4) below;

D) Maintain records of inspection and monitoring activities, identification of leaks and leaking components, elimination and repair of leaks, and operation of equipment as related to these activities, as further specified in subsection (d)(5) below.

2) A VOM leak shall be considered to exist in a non-contact process water cooling tower system if the VOM emissions or VOM content exceed background levels as determined by monitoring conducted in accordance with subsection (d)(3)(A) below.

3) The owner or operator of a non-contact process water cooling tower shall carry out an inspection and monitoring program to identify VOM leaks in the cooling water system.

A) The owner or operator of a non-contact process water cooling tower shall submit to the Agency a proposed monitoring program, accompanied by technical justification for the program, including justification for the sampling location(s), parameter(s) selected for measurement, monitoring and inspection frequency, and the criteria used relative to the monitored parameters to determine whether a leak exists as specified in subsection (d)(2) above.

B) This inspection and monitoring program for non-contact process water cooling towers shall include, but shall not be limited to:

- i) Monitoring of each such tower with a water flow rate of 25,000 gallons per minute or more at a petroleum refinery

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at least weekly and monitoring of other towers at least monthly;

- ii) Inspection of each such tower at least weekly if monitoring is not performed at least weekly.

C) This inspection and monitoring program shall be carried out in accordance with written procedures which the Agency shall specify as a condition in a federally enforceable operating permit. These procedures shall include the VOM background levels for the cooling tower as established by the owner or operator through monitoring; describe the locations at which samples will be taken; identify the parameter(s) to be measured; the frequency of measurements, and the procedures for monitoring each such tower, that is, taking of samples and other subsequent handling and analyzing of samples; provide the criteria used to determine that a leak exists as specified in subsection (d)(2) above; and describe the records which will be maintained.

D) A non-contact process water cooling tower is exempt from the requirements of subsections (d)(1)(b) and (d)(3)(c) above if all equipment where leaks of VOM into cooling water may occur is operated at a minimum pressure in the cooling water of at least 35 kPa greater than the maximum pressure in the process fluid.

4) The repair of a leak in a non-contact process water cooling tower shall be considered to be completed in an acceptable manner as follows:

A) Efforts to identify and locate the leaking components are initiated as soon as practicable, but in no event later than three days after detection of the leak in the cooling water tower;

B) Leaking components shall be repaired or removed from service as soon as possible but no later than 10 days after the leak in the

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- B) A general description of activity to repair or eliminate leaks which were identified;
- C) Identification of each leak which was not repaired in 30 days from the date of identification of a leak in such a tower, with description of the leaks, explanation why the leak was not repaired in 30 days;
- D) Identification of any periods when required inspection and monitoring activities were not carried out.

e) Any leaks from components subject to the control requirements of this Subpart shall be subject to the following control measures:

- 1) Repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found, unless the leaking component cannot be repaired until the process unit is shut down, in which case the leaking component must be repaired before the unit is restarted.
- 2) For any leak which cannot be readily repaired within one hour after detection, the following records, as set forth below in this subsection, shall be kept. These records shall be maintained by the owner or operator for a minimum of two years after the date on which they are made. Copies of the records shall be made available to the Agency or USEPA upon verbal or written request.

- A) The name and identification of the leaking component;
- B) The date and time the leak is detected;
- C) The action taken to repair the leak; and
- D) The date and time the leak is repaired.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 218.987 Compliance Schedule

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- 5) The owner or operator of a non-contact process water cooling tower shall keep records as set forth below in this subsection. These records shall be retained at a readily accessible location at the source and shall be available for inspection and copying by the Agency for at least 3 years:

- A) Records of inspection and monitoring activity;
- B) Records of each leak identified in such tower, with date, time and nature of observation or measured level of parameter;
- C) Records of activity to identify leaking components, with date initiated, summary of components inspected with dates, and method of inspection and observations;
- D) Records of activity to remove a leaking component from service or repair a leaking component, with date initiated and completed, description of actions taken and the basis for determining the leak in such tower has been eliminated. If the leaking component is not identified, repaired or eliminated within 30 days of initial identification of a leak in such tower, this report shall include specific reasons why the leak could not be eliminated sooner including all other intervening periods when the process unit was out of service, actions taken to minimize VOM losses prior to elimination of the leak and any actions taken to prevent the recurrence of a leak of this type.

- 6) The owner or operator of a non-contact process water cooling tower shall submit an annual report to the Agency which provides:

- A) The number of leaks identified in each cooling tower;

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Every owner or operator of an emissions sourceunit which is subject to this Subpart shall comply with the requirements of this Subpart on and after a date consistent with Section 218.106 of this Part.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 218.988 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.986 of this Part, the owner or operator of a VOM emission sourceunit subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105 of this Part.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

(Source: Amended at Ill. Reg. _____, effective _____)

SUBPART UU: RECORDKEEPING AND REPORTING FOR NON-CFG-SOURCES

Section 218.990 Exempt Emission Sourceunits

Upon request by the Agency, the owner or operator of an emission unit source which is exempt from the requirements of Subparts PP, QQ, RR, TT or Section 218.208(b) of this Part shall submit records to the Agency within 30 calendar days from the date of the request that document that the emission unit source is exempt from those requirements.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 218.991 Subject Emission Sourceunits

- a) Any owner or operator of a VOM emission sourceunit which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by the use of emission capture and control equipment shall comply with the following:

- 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new emission sourceunit, the owner or operator of the subject VOM emission sourceunit shall demonstrate to the Agency that the subject emission sourceunit will

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be in compliance on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date by submitting to the Agency all calculations and other supporting data, including descriptions and results of any tests, the owner or operator may have performed.

- 2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject VOM emission source shall collect and record all of the following information each day and maintain the information at the facility source for a period of three years:

- A) Control device monitoring data.
B) A log of operating time for the capture system, control device, monitoring equipment and the associated emission source.
C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

- 3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject VOM emission source shall notify the Agency in the following instances:

- A) Any record showing a violation of the requirements of Subpart PP, QQ, RR or TT shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b)(1) of this Section. Upon changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or

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operator shall comply with all requirements of subsection (b) of this Section.

- 4) A) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with this Subpart, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105 of this Part.
- B) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.
- b) Any owner or operator of a coating line which is subject to the requirements of Subpart PP or TT and complying by means of the daily-weighted average VOM content limitation shall comply with the following:
 - 1) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a coating line subject to Subpart PP or TT, the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date. Such certification shall include:
 - A) The name and identification number of each coating line which will comply by means of the daily-weighted average VOM content limitation.
 - B) The name and identification number of each coating as applied on each coating line.
 - C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
 - D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as

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applied each day on each coating line.

- E) The method by which the owner or operator will create and maintain records each day as required in subsection (b)(2) of this Section.
- F) An example of the format in which the records required in subsection (b)(2) of this Section will be kept.
- 2) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:
 - A) The name and identification number of each coating as applied on each coating line.
 - B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
 - C) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 218.104 of this Part.
- 3) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:
 - A) Any record showing violation of the requirements of Subpart PP or TT shall be reported by sending a copy of such record to the Agency and the USEPA within 30 days following the occurrence of the violation.
 - B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of complying coatings to the use capture systems and control devices, the owner or operator shall comply with all

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requirements of subsection (a)(1) of this Section. Upon changing the method of compliance with Subpart PP or TT from the use of complying coatings to the use capture systems and control devices, the owner or operator shall comply with all requirements of subsection (a) of this Section.

- c) Any owner or operator of a VOM emission source which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by means of an alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision shall comply with the recordkeeping and reporting requirements specified in the alternative control plan.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

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Section 218. APPENDIX A
LIST OF CHEMICALS DEFINING SYNTHETIC ORGANIC CHEMICAL AND POLYMER
MANUFACTURING

CAS No. *	Chemical
105-57-7	Acetal
75-07-0	Acetaldehyde
107-89-1	Acetalcohol
60-35-5	Acetamide
103-84-4	Acetanilide
64-19-7	Acetic acid
108-24-7	Acetic anhydride
67-64-1	Acetone
75-86-5	Acetone cyanohydrin
75-05-8	Acetonitrile
98-86-2	Acetophenone
75-36-5	Acetyl chloride
74-86-2	Acetylene
107-02-8	Acrolein
79-06-1	Acrylamide
79-10-7	Acrylic acid & esters
107-13-1	Acrylonitrile
124-04-9	Adipic acid
111-69-3	Adiponitrile
(e)	Alkyl naphthalenes
107-18-6	Allyl alcohol
107-05-1	Allyl chloride
1321-11-5	Aminobenzoic acid
111-41-1	Aminoethylethanamine
123-30-8	p-aminophenol
628-63-7	Amyl acetates
123-92-2	Amyl alcohols
71-41-0	Amyl amine
110-58-7	Amyl chloride
543-59-9	Amyl mercaptans
110-68-7	Amyl phenol
1322-06-1	Aniline
62-53-3	Aniline hydrochloride
142-04-1	Anisidine
29191-52-4	Anisole
100-66-3	Anthranilic acid
118-92-3	Anthraquinone
84-65-1	Benzaldehyde
100-52-7	Benzamide
55-21-0	Benzene
71-43-2	Benzenedisulfonic acid
98-48-6	

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CAS No. *	Chemical
98-11-3	Benzenesulfonic acid
134-81-6	Benzil
76-93-7	Benzilic acid
65-85-0	Benzoic acid
119-53-9	Benzooin
100-47-0	Benzonitrile
119-61-9	Benzophenone
98-07-7	Benzotrichloride
98-88-4	Benzoyl chloride
100-51-6	Benzyl alcohol
100-46-9	Benzylamine
120-51-4	Benzyl benzoate
100-44-7	Benzyl chloride
98-87-3	Benzyl dichloride
92-52-4	Biphenyl
80-05-7	Bisphenol A
10-86-1	Bromobenzene
27497-51-4	Bromonaphthalene
106-99-0	Butadiene
106-98-9	1-butene
123-86-4	n-butyl acetate
141-32-2	n-butyl acrylate
71-36-3	n-butyl alcohol
78-92-2	s-butyl alcohol
75-65-0	t-butyl alcohol
109-73-9	n-butylamine
13952-84-6	s-butylamine
75-64-9	t-butylamine
98-73-7	p-tert-butyl benzoic acid
107-88-0	1,3-butylene glycol
123-72-8	n-butyraldehyde
107-92-6	Butyric acid
106-31-0	Butyric anhydride
109-74-0	Butyronitrile
105-60-2	Caprolactam
75-1-50	Carbon disulfide
558-13-4	Carbon tetrabromide
55-23-5	Carbon tetrachloride
9004-35-7	Cellulose acetate
79-11-8	Chloroacetic acid
108-42-9	m-chloroaniline
95-51-2	o-chloroaniline
106-47-8	p-chloroaniline
35913-09-8	Chlorobenzaldehyde
108-90-7	Chlorobenzene
118-91-2,	Chlorobenzoic acid

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CAS No. *	Chemical
535-80-8,	
74-11-3 ^c	Chlorobenzotrichloride
2136-81-4,	
2136-89-2,	
5216-25-1 ^c	Chlorobenzoyl chloride
1321-03-5	Chlorodifluoroethane
75-45-6	Chlorodifluoromethane
25497-29-4	Chloroform
67-66-3	Chloronaphthalene
25586-43-0	o-chloronitrobenzene
88-73-3	p-chloronitrobenzene
100-00-5	Chlorophenols
25167-80-0	Chloroprene
126-99-8	Chlorosulfonic acid
7790-94-5	m-chlorotoluene
108-41-8	o-chlorotoluene
95-49-8	p-chlorotoluene
106-43-4	Chlorotrifluoromethane
75-72-9	m-cresol
108-39-4	o-cresol
95-48-7	p-cresol
106-44-5	Mixed cresols
1319-77-3	Cresylic acid
1319-77-3	Crotonaldehyde
4170-30-0	Crotonic acid
3724-65-0	Cumene
98-82-8	Cumene hydroperoxide
80-15-9	Cyanoacetic acid
372-09-8	Cyanogen chloride
506-77-4	Cyanuric acid
108-80-5	Cyanuric chloride
108-77-0	Cyclohexane
110-82-7	Cyclohexanol
108-93-0	Cyclohexanone
108-94-1	Cyclohexene
110-83-8	Cyclohexylamine
108-91-8	Cyclooctadiene
111-78-4	Decanol
112-30-1	Diacetone alcohol
123-42-2	Diaminobenzoic acid
27576-04-1	Dichloroaniline
95-76-1,	
95-82-9,	
554-00-7,	
608-27-5,	
608-31-1,	

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CAS No.	Chemical
626-43-7,	m-dichlorobenzene
27134-27-6,	o-dichlorobenzene
57311-92-9,	p-dichlorobenzene
541-73-1	Dichlorodifluoromethane
95-50-1	Dichloroethyl ether
106-46-7	1,2-dichloroethane (EDC)
75-71-8	Dichlorohydrin
111-44-4	Dichloropropene
107-06-2	Dicyclohexylamine
96-23-1	Diethylamine
26952-23-8	Diethylene glycol
101-83-7	Diethylene glycol diethyl ether
109-89-7	Diethylene glycol dimethyl ether
111-46-6	Diethylene glycol monobutyl ether
112-36-7	Diethylene glycol mononbutyl ether
111-96-6	Diethylene glycol monoethyl ether
112-34-5	Diethylene glycol monoethyl ether
124-17-7	Diethylene glycol monoethyl ether
111-90-0	Diethylene glycol monoethyl ether
112-15-2	Diethylene glycol monoethyl ether
111-77-3	Diethylene glycol monoethyl ether
64-67-5	Diethyl sulfate
75-37-6	Difluoroethane
25167-70-8	Diisobutylene
26761-40-0	Diisodecyl phthalate
27554-26-3	Diisooctyl phthalate
674-82-8	Diketene
124-40-3	Dimethylamine
121-69-7	N,N-dimethylaniline
115-10-6	N,N-dimethyl ether
68-12-2	N,N-dimethylformamide
57-14-7	Dimethylhydrazine
77-78-1	Dimethyl sulfate
75-18-3	Dimethyl sulfide
67-68-5	Dimethyl sulfoxide
120-61-6	Dimethyl terephthalate
99-34-3	3,5-dinitrobenzoic acid
51-28-5	Dinitrophenol
	Dinitrotoluene

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CAS No.	Chemical
123-91-1	Dioxane
646-06-0	Dioxilane
	Chemical
122-39-4	Diphenylamine
101-84-4	Diphenyl oxide
102-08-9	Diphenyl thiourea
25265-71-8	Dipropylene glycol
25378-22-7	Dodecene
28675-17-4	Dodecylaniline
27193-86-8	Dodecylphenol
106-89-8	Epichlorohydrin
64-17-5	Ethanol
141-43-5	Ethanolamines
141-78-6	Ethyl acetate
141-97-9	Ethyl acetoacetate
140-88-5	Ethyl acrylate
75-04-7	Ethylamine
100-41-4	Ethylbenzene
74-96-4	Ethyl bromide
9004-57-3	Ethylcellulose
75-00-3	Ethyl chloride
105-39-5	Ethyl chloroacetate
105-56-6	Ethylcyanoacetate
74-85-1	Ethylene
96-49-1	Ethylene carbonate
107-07-3	Ethylene chlorohydrin
107-15-3	Ethylenediamine
106-93-4	Ethylene dibromide
107-21-1	Ethylene glycol
111-55-7	Ethylene glycol diacetate
110-71-4	Ethylene glycol dimethyl ether
111-76-2	Ethylene glycol monobutyl ether
112-07-2	Ethylene glycol monobutyl ether acetate
110-80-5	Ethylene glycol monoethyl ether
111-15-9	Ethylene glycol monoethyl ether acetate
109-86-4	Ethylene glycol monoethyl ether
110-49-6	Ethylene glycol monomethyl ether acetate
122-99-6	Ethylene glycol monophenyl ether
2807-30-9	Ethylene glycol monopropyl ether
75-21-8	Ethylene oxide
60-29-7	Ethyl ether
104-76-7	2-ethylhexanol

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122-51-0	Ethyl orthoformate
95-92-1	Ethyl oxalate
41892-71-1	Ethyl sodium oxaloacetate
CAS No. *	Chemical
50-00-0	Formaldehyde
75-12-7	Formamide
64-18-6	Formic acid
110-17-8	Fumaric acid
98-01-1	Furfural
56-81-5	Glycerol (Synthetic)
26545-73-7	Glycerol dichlorohydrin
25791-96-2	Glycerol triether
56-40-6	Glycine
107-22-2	Glyoxal
118-74-1	Hexachlorobenzene
67-72-1	Hexachloroethane
36653-82-4	Hexadecyl alcohol
124-09-4	Hexamethylenediamine
629-11-8	Hexamethylene glycol
100-97-0	Hexamethylenetetramine
74-90-8	Hydrogen cyanide
123-31-9	Hydroquinone
99-96-7	p-hydroxybenzoic acid
26760-64-5	Isoamylene
78-83-1	Isobutanol
110-19-0	Isobutyl acetate
115-11-7	Isobutylene
78-84-2	Isobutyraldehyde
79-31-2	Isobutyric acid
25339-17-7	Isodecanol
26952-21-6	Isooctyl alcohol
78-78-4	Isopentane
78-59-1	Isophorone
121-91-5	Isophthalic acid
78-79-5	Isoprene
67-63-0	Isopropanol
108-21-4	Isopropyl acetate
75-31-0	Isopropylamine
75-29-6	Isopropyl chloride
25168-06-3	Isopropylphenol
463-51-4	Ketene
(e)	Linear alkyl sulfonate*
123-01-3	Linear alkylbenzene
110-16-7	Maleic acid
108-31-6	Maleic anhydride
6915-15-7	Malic acid
141-79-7	Mesityl oxide

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121-47-1	Metanilic acid
79-41-4	Methacrylic acid
563-47-3	Methallyl chloride
67-56-1	Methanol
CAS No. *	Chemical
79-20-9	Methyl acetate
105-45-3	Methyl acetoacetate
74-89-5	Methylamine
100-61-8	n-methylaniline
74-83-9	Methyl bromide
37365-71-2	Methyl butynol
74-87-3	Methyl chloride
108-87-2	Methyl cyclohexane
1331-22-2	Methyl cyclohexanone
75-09-2	Methylene chloride
101-77-9	Methylene dianiline
101-68-8	Methylene diphenyl diisocyanate
78-93-3	Methyl ethyl ketone
107-31-3	Methyl formate
108-11-2	Methyl isobutyl carbinol
108-10-1	Methyl isobutyl ketone
80-62-6	Methyl methacrylate
77-75-8	Methylpentynol
98-83-9	B-methylstyrene
110-91-8	Morpholine
85-47-2	a-naphthalene sulfonic acid
120-18-3	B-naphthalene sulfonic acid
90-15-3	a-naphthol
135-19-3	B-naphthol
75-98-9	Neopentanoic acid
88-74-4	o-nitroaniline
100-01-6	p-nitroaniline
91-23-6	o-nitroanisole
100-17-4	p-nitroanisole
98-95-3	Nitrobenzene
27178-83-2 ^c	Nitrobenzoic acid (o, m & p)
79-24-3	Nitroethane
75-52-5	Nitromethane
88-75-5	Nitrophenol
25322-01-4	Nitropropane
1321-12-6	Nitrotoluene
27215-95-8	Nonene
25154-52-3	Nonylphenol
27193-28-8	Octylphenol
123-63-7	Paraldehyde
115-77-5	Pentaerythritol
109-66-0	n-pentane

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109-67-1	1-pentene
127-18-4	Perchloroethylene
594-42-3	Perchloromethyl mercaptan
94-70-2	o-phenetidine
156-43-4	p-phenetidine
CAS No. *	Chemical
108-95-2	Phenol
98-67-9	Phenolsulfonic acids
585-38-6	
609-46-1	
133-39-7	
91-40-7	Phenyl anthranilic acid
(b)	Phenylenediamine
75-44-5	Phosgene
85-44-9	Phthalic anhydride
85-41-6	Phthalimide
108-99-6	b-picoline
110-85-0	Piperazine
9003-29-6	Polybutenes
25036-29-7	
25322-68-3	Polyethylene glycol
25322-69-4	Polypropylene glycol
123-38-6	Propionaldehyde
79-09-4	Propionic acid
71-23-8	n-propyl alcohol
107-10-8	Propylamine
540-54-5	Propyl chloride
115-07-1	Propylene
127-00-4	Propylene chlorohydrin
78-87-5	Propylene dichloride
57-55-6	Propylene glycol
75-56-9	Propylene oxide
110-86-1	Pyridine
106-51-4	Quinone
108-46-3	Resorcinol
27138-57-4	Resorcylic acid
69-72-7	Salicylic acid
127-09-3	Sodium acetate
532-32-1	Sodium benzoate
9004-32-4	Sodium carboxymethyl cellulose
3926-62-3	Sodium chloroacetate
141-53-7	Sodium formate
139-02-6	Sodium phenate
110-44-1	Sorbic acid
100-42-5	Styrene
110-15-6	Succinic acid
110-61-2	Succinitrile

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121-57-3	Sulfanilic acid
126-33-0	Sulfolane
1401-55-4	Tannic acid
100-21-0	Terephthalic acid
79-34-5	Tetrachloroethanes
CAS No. *	Chemical
117-08-8	Tetrachlorophthalic anhydride
78-00-2	Tetraethyllead
119-64-2	Tetrahydronaphthalene
85-43-8	Tetrahydrophthalic anhydride
75-74-1	Tetramethyllead
110-60-1	Tetramethylenediamine
110-18-9	Tetramethylethylenediamine
108-88-3	Toluene
95-80-7	Toluene-2,4-diamine
584-84-9	Toluene-2,4-diisocyanate
26471-62-5	Toluene diisocyanates (mixture)
1333-07-9	Toluene sulfonamide
104-15-4	Toluenesulfonic acids
98-59-9	Toluene sulfonyl chloride
26915-12-8	Toluidines
87-61-6	Trichlorobenzenes
108-70-3	
120-82-1	
71-55-6	1,1,1-trichloroethane
79-00-5	1,1,2-trichloroethane
79-01-6	Trichloroethylene
75-69-4	Trichlorofluoromethane
96-18-4	1,2,3-trichloropropane
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane
121-44-8	Triethylamine
112-27-6	Triethylene glycol
112-49-2	Triethylene glycoldimethyl ether
7756-94-7	Triisobutylene
75-50-3	Trimethylamine
57-13-6	Urea
108-05-4	Vinyl acetate
75-01-4	Vinyl chloride
75-35-4	Vinylidene chloride
25013-15-4	Vinyl toluene
1330-20-7	Xylenes (mixed)
95-47-6	o-xylene
106-42-3	p-xylene
1100-11-6	Xylenol
1300-73-8	Xylidine

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- (b)
9002-88-4
(b)
9009-53-6

methyl tert-butyl ether
Polyethylene
Polypropylene
Polystyrene

- a) CAS numbers refer to the Chemical Abstracts Registry numbers assigned to specific chemicals, isomers or mixtures of chemicals. Some isomers or mixtures that are covered by the standards do not have CAS numbers assigned to them. The standards apply to all of the chemicals listed, whether CAS numbers have been assigned or not.
- b) No CAS number(s) have been assigned to this chemical, to its isomers, or mixtures containing these chemicals.
- c) CAS numbers for some of the isomers are listed: the standards apply to all of the isomers and mixtures, even if CAS numbers have not been assigned.

(Source: Amended at ___ Ill. Reg. ____, effective _____)

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Section 218, APPENDIX B

VOM MEASUREMENT TECHNIQUES FOR CAPTURE EFFICIENCY

Procedure G.1 - Captured VOEM Emissions

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the volatile organic materials ~~emissions~~ (VOEM) content of captured gas streams. It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOEM capture efficiency (CE) for surface coating and printing operations. The procedure may not be acceptable in certain site-specific situations, e.g., when: (1) direct fired heaters or other circumstances affect the quantity of VOEM at the control device inlet; and (2) particulate organic aerosols are formed in the process and are present in the captured emissions.

1.2 Principle. The amount of VOEM captured (G) is calculated as the sum of the products of the VOEM content (C_G), the flow rate (Q_G), and the sample time (T_C) from each captured emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each captured or fugitive emissions point as follows: $Q_G = 5.5$ percent and $C_G = 15.0$ percent. Based on these numbers, the probable uncertainty for G is estimated at about ± 7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOEM Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Sample Probe. Stainless steel, or equivalent. The probe

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shall be heated to prevent VOCM condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow rate control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If captured or fugitive emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

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2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

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- 4.2.5 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.
- 4.2.6 Verify that the sample lines, filter, and pump temperatures are $120 \pm 5^\circ\text{C}$.
- 4.2.7 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple captured emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

- 4.3.1 Locate all NDO's of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDO's, choose 6 sampling points evenly spaced among the NDO's.
- 4.3.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3. NOTE: This sample train shall be a separate sampling train from the one to measure the captured emissions.
- 4.3.3 Position the probe at the sampling location.
- 4.3.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.4 to 4.2.7.
- 4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10

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- 2.2 Captured Emissions Volumetric Flow Rate.
- 2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.
- 2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.
- 2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.
3. DETERMINATION OF VOLUMETRIC FLOW RATE OF CAPTURED EMISSIONS
- 3.1 Locate all points where emissions are captured from the affected facility emission unit. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.
- 3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.
4. DETERMINATION OF VOEM CONTENT OF CAPTURED EMISSIONS
- 4.1 Analysis Duration. Measure the VOEM responses at each captured emissions point during the entire test run or, if applicable, while the process is operating. If there are multiple captured emission locations, design a sampling system to allow a single FIA to be used to determine the VOEM responses at all sampling locations.
- 4.2 Gas VOEM Concentration.
- 4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA according to the procedure in Section 5.1.
- 4.2.2 Conduct a system check according to the procedure in Section 5.3.
- 4.2.3 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.
- 4.2.4 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

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minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct the system drift checks at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before and after each test run.

5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

A_i = area of NDO i , ft^2

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A_N	=	total area of all NDO's in the enclosure, ft^2
C_{Bi}	=	corrected average VOEM concentration of background emissions at point i , ppm propane
C_B	=	average background concentration, ppm propane
C_{Oj}	=	corrected average VOEM concentration of captured emissions at point j , ppm propane
C_{DH}	=	average measured concentration for the drift check calibration gas, ppm propane
C_{D0}	=	average system drift check concentration for zero concentration gas, ppm propane
C_H	=	actual concentration of the drift check calibration gas, ppm propane
C_i	=	uncorrected average background VOEM concentration measured at point i , ppm propane
C_j	=	uncorrected average VOEM concentration measured at point j , ppm propane
G	=	total VOEM content of captured emissions, kg
K_i	=	1.830×10^{-6} kg/(m^3 -ppm)
n	=	number of measurement points
Q_{Oj}	=	average effluent volumetric flow rate corrected to standard conditions at captured emissions point j , m^3/min
T_C	=	total duration of captured emissions sampling run, min.

7. CALCULATIONS

7.1 Total VOEM Captured Emissions.

$$G = \sum_{j=1}^n (C_{Oj} - C_B) Q_{Oj} T_C K_i \quad \text{Eq. 1}$$

7.2 VOEM Concentration of the Captured Emissions at Point j .

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$$C_{Gj} = (C_j - C_{D0}) \frac{C_{Hj}}{C_{DH} - C_{D0}} \quad \text{Eq. 2}$$

7.3 Background VOEM Concentration at Point i.

$$C_{Bi} = (C_i - C_{D0}) \frac{C_{Hi}}{C_{DH} - C_{D0}} \quad \text{Eq. 3}$$

7.4 Average Background Concentration.

$$C_B = \frac{n \sum_{i=1}^n C_{Bi} A_i}{n A_N} \quad \text{Eq. 4}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms "A_i" and "A_N" may be deleted from Equation 4.

Procedure G.2 - Captured VOEM Emissions (Dilution Technique)

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the volatile organic compounds materials (VOEM) content of captured gas streams. It is intended to be used as a segment in the development of a gas/gas protocol in which fugitive emissions are measured for determining VOEM capture efficiency (CE) for surface coating and printing operations. A dilution system is used to reduce the VOEM concentration of the captured emission to about the same concentration as the fugitive emissions. The procedure may not be acceptable in certain site-specific situations, e.g., when: (1) direct fired heaters or other circumstances affect the quantity of VOEM at the control device inlet; and (2) particulate organic aerosols are formed in the process and are present in the captured emissions.

1.2 Principle. The amount of VOEM captured (G) is calculated as the sum of the products of the VOEM content (C_{Gj}), the flow rate (Q_{Gj}), and the sampling time (T_C) from each captured emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each captured or fugitive emissions point as follows: Q_{Gj} = ±5.5 percent and C_{Gj} = ±5 percent. Based on these numbers, the probable uncertainty for G is estimated at about ±7.4 percent.

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1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOEM Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Dilution System. A Kipp in-stack dilution probe and controller or similar device may be used. The dilution rate may be changed by substituting different critical orifices or adjustments of the aspirator supply pressure. The dilution system shall be heated to prevent VOEM condensation. Note: An out-of-stack dilution device may be used.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

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2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If captured or fugitive emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in traceable gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

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2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas and Dilution Air Supply. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.9.4 Dilution Check Gas. Gas mixture standard containing propane in air, approximately half the span value after dilution.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Captured Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF CAPTURED EMISSIONS

3.1 Locate all points where emissions are captured from the affected facility. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

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point during each hour of testing. Disregard the measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Locate all NDO's of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDO's, choose 6 sampling points evenly spaced among the NDO's.

4.3.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.4.

4.3.3 Position the probe at the sampling location.

4.3.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.4 to 4.2.8.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOEM concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system after the dilution system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

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4. DETERMINATION OF VOEM CONTENT OF CAPTURED EMISSIONS

4.1 Analysis Duration. Measure the VOEM responses at each captured emissions point during the entire test run or, if applicable, while the process is operating. If there are multiple captured emissions locations, design a sampling system to allow a single FIA to be used to determine the VOEM responses at all sampling locations.

4.2 Gas VOEM Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA according to the procedure in Section 5.1.

4.2.2 Set the dilution ratio and determine the dilution factor according to the procedure in Section 5.3.

4.2.3 Conduct a system check according to the procedure in Section 5.4.

4.2.4 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.5 Inject zero gas at the calibration valve assembly. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.6 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.4. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.7 Verify that the sample lines, filter, and pump temperatures are 120 ±5°C.

4.2.8 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple captured emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample

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5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the diluted captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct the system drift check at the end of each run.

5.3 Determination of Dilution Factor. Inject the dilution check gas into the measurement system before the dilution system and record the response. Calculate the dilution factor using Equation 3.

5.4 System Check. Inject the high range calibration gas at the inlet to the sampling probe while the dilution air is turned off. Record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before and after each test run.

5.5 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

- A_i = area of NDO i, ft²_i
- A_H = total area of all NDO's in the enclosure, ft²_i
- C_A = actual concentration of the dilution check gas, ppm propane_i
- C_{BH} = corrected average VOEM concentration of background emissions at point i, ppm propane_i
- C_B = average background concentration, ppm propane_i
- C_{DH} = average measured concentration for the drift check calibration gas, ppm propane_i
- C_{DW} = average system drift check concentration for zero concentration

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gas, ppm propane_i

C_H = actual concentration of the drift check calibration gas, ppm propane_i

C_i = uncorrected average background VOEM concentration measured at point i, ppm propane_i

C_j = uncorrected average VOEM concentration measured at point j, ppm propane_i

C_M = measured concentration of the dilution check gas, ppm propane_i

DF = dilution factor_i

G = total VOCM content of captured emissions, kg_i

K_i = 1.830×10^{-6} kg/(m³-ppm)_i

n = number of measurement points_i

Q_{Oj} = average effluent volumetric flow rate corrected to standard conditions at captured emissions point j, m³/min_i

T_c = total duration of capture efficiency sampling run, min.

7. CALCULATIONS

7.1 Total VOEM Captured Emissions.

$$G = \sum_{j=1}^n C_{Oj} Q_{Oj} T_c K_i \quad \text{Eq. 1}$$

7.2 VOEM Concentration of the Captured Emissions at Point j.

$$C_{Oj} = DF (C_j - C_{DW}) \frac{C_H}{C_{DH} - C_{DW}} \quad \text{Eq. 2}$$

7.3 Dilution Factor.

$$D_F = \frac{C_A}{C_M} \quad \text{Eq. 3}$$

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7.4 Background VOEM Concentration at Point i.

$$C_{Bi} = (C_i - C_{Do}) \frac{C_H}{C_{DH} - C_{Do}} \quad \text{Eq. 4}$$

7.5 Average Background Concentration.

$$C_B = \frac{\sum_{i=1}^n C_{Bi} A_i}{nA_N} \quad \text{Eq. 5}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms "A_i" and "A_N" may be deleted from Equation 4.

Procedure F.2 - Fugitive VOEM Emissions from Building Enclosures

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the fugitive volatile organic compounds (VOEM) emissions from a building enclosure (BE). It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOEM capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The total amount of fugitive VOEM emissions (F_B) from the BE is calculated as the sum of the products of the VOEM content (C_{Fi}) of each fugitive emissions point, its flow rate (Q_{Fi}), and time (T_F).

1.3 Measurement Uncertainty. The measurement uncertainties are estimated for each fugitive emissions point as follows: Q_{Fi} = ±5.0 percent and C_{Fi} = ±5.0 percent. Based on these numbers, the probable uncertainty for F_B is estimated at about ±11.2 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

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2. APPARATUS AND REAGENTS

2.1 Gas VOEM Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Sample Probe. Stainless steel, or equivalent. The probe shall be heated to prevent VOEM condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow rate control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

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- 2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.
- 2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.
- 2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.
- 2.1.7.4 Response Time. Less than 30 seconds.
- 2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.
- 2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.
- 2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.
- 2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.
- 2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

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- 2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.
- 2.2 Fugitive Emissions Volumetric Flow Rate.
- 2.2.1 Flow Direction Indicators. Any means of indicating inward or outward flow, such as light plastic film or paper streamers, smoke tubes, filaments, and sensory perception.
- 2.2.2 Method 2 or 2A Apparatus. For determining volumetric flow rate. Anemometers or similar devices calibrated according to the manufacturer's instructions may be used when low velocities are present. Vane anemometers (Young-maximum response propeller), specialized pitots with electronic manometers (e.g., Shortridge Instruments Inc., Airdata Multimeter 860) are commercially available with measurement thresholds of 15 and 8 fpm (50 and 25 fpm), respectively.
- 2.2.3 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.
- 2.2.4 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.
3. DETERMINATION OF VOLUMETRIC FLOW RATE OF FUGITIVE EMISSIONS
- 3.1 Preliminary Determinations. The purpose of this exercise is to determine which exhaust points should be measured for volumetric flow rates and VOCM concentrations.
- 3.1.1 Forced Draft Openings. Identify all forced draft openings. Determine the volumetric flow rate according to Method 2.
- 3.1.2 NDO's Exhaust Points. The NDO's in the roof of a facility the building or room in which the emission unit is located are considered to be exhaust points. Determine volumetric flow rate from these NDO's. Divide the cross-sectional area according to Method 1 using 12 equal areas. Use the appropriate velocity measurement devices, e.g., propeller anemometers.
- 3.1.3 Other NDO's.

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3.1.3.1 This step is optional. Determine the exhaust flow rate, including that of the control device, from the enclosure and the intake air flow rate. If the exhaust flow rate divided by the intake air flow rate is greater than 1.1, then all other NDO's are not considered to be significant exhaust points.

3.1.3.2 If the option above is not taken, identify all other NDO's and other potential points through which fugitive emissions may escape the enclosure. Then use the following criteria to determine whether flow rates and VOEM concentrations need to be measured:

3.1.3.2.1 Using the appropriate flow direction indicator, determine the flow direction. An NDO with zero or inward flow is not an exhaust point.

3.1.3.2.2 Measure the outward volumetric flow rate from the remainder of the NDO's. If the collective flow rate is 2 percent, or less, of the flow rate from Sections 3.1.1 and 3.1.2, then these NDO's, except those within two equivalent diameters (based on NDO opening) from a VOEM ~~source~~ emitting point, may be considered to be non-exhaust points.

3.1.3.2.3 If the percentage calculated in Section 3.1.3.2.2 is greater than 2 percent, those NDO's (except those within two equivalent diameters from a VOEM ~~source~~ emitting point) whose volumetric flow rate total 2 percent of the flow rate from Sections 3.1.1 and 3.1.2 may be considered as non-exhaust points. All remaining NDO's shall be measured for volumetric flow rate and VOEM concentrations during the CE test.

3.1.3.2.4 The tester may choose to measure VOEM concentrations at the forced exhaust points and the NDO's. If the total VOEM emissions from the NDO's are less than 2 percent of the emissions from the forced draft and roof NDO's, then these NDO's may be eliminated from further consideration.

3.2 Determination of Flow Rates.

3.2.1 Measure the volumetric flow rate at all locations identified as exhaust points in Section 3.1. Divide each exhaust opening into 9 equal areas for rectangular openings and 8 for circular openings.

3.2.2 Measure the velocity at each site at least once every hour during each sampling run using Method 2 or 2A, if applicable, or using the low velocity instruments in Section 2.2.2.

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4. DETERMINATION OF VOEM CONTENT OF FUGITIVE EMISSIONS

4.1 Analysis Duration. Measure the VOEM responses at each fugitive emission point during the entire test run or, if applicable, while the process is operating. If there are multiple emissions locations, design a sampling system to allow a single FIA to be used to determine the VOEM responses at all sampling locations.

4.2 Gas VOEM Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3, respectively.

4.2.2 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.3 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.4 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform drift checks during the run not to exceed one drift check per hour.

4.2.5 Verify that the sample lines, filter, and pump temperatures are $120 \pm 5^\circ\text{C}$.

4.2.6 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the response measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

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4.3 Alternative Procedure The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOEM concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct a system drift check at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before each test run.

5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

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6. NOMENCLATURE

- C_{DH} = average measured concentration for the drift check calibration gas, ppm propane- i
- C_{DO} = average system drift check concentration for zero concentration gas, ppm propane- i
- C_{Fj} = corrected average VOEM concentration of fugitive emissions at point j , ppm propane- i
- C_H = actual concentration of the drift check calibration gas, ppm propane- i
- C_j = uncorrected average VOEM concentration measured at point j , ppm propane- i
- F_B = total VOEM content of fugitive emissions from the building, kg- i
- K_i = 1.830×10^{-6} kg/(m³-ppm)- i
- n = number of measurement points- i
- Q_{Fj} = average effluent volumetric flow rate corrected to standard conditions at fugitive emissions point j , m³/min- i
- T_P = total duration of capture efficiency sampling run, min.

7. CALCULATIONS

7.1 Total VOEM Fugitive Emissions From the Building.

$$F_B = \sum_{j=1}^n C_{Fj} Q_{Fj} T_P K_i \quad \text{Eq. 1}$$

7.2 VOEM Concentration of the Fugitive Emissions at Point j .

$$C_{Fj} = (C_j - C_{DO}) \frac{C_H}{C_{DH} - C_{DO}} \quad \text{Eq. 2}$$

Procedure F.1 - Fugitive VOEM Emissions from Temporary Enclosures

1. INTRODUCTION

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1.1 Applicability. This procedure is applicable for determining the fugitive volatile organic compounds (VOCEM) emissions from a temporary total enclosure (TTE). It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOCEM capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The amount of fugitive VOCEM emissions (F) from the TTE is calculated as the sum of the products of the VOCEM content (C_{mj}), the flow rate (Q_{mj}), and the sampling time (T_p) from each fugitive emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each fugitive emission point as follows: $Q_{mj} = \pm 5.5$ percent and $CF_j = \pm 5.0$ percent. Based on these numbers, the probable uncertainty for F is estimated at about ± 7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOCEM Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Sample Probe. Stainless steel, or equivalent. The probe shall be heated to prevent VOCEM condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

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2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

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2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Fugitive Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

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2.3 Temporary Total Enclosure. The criteria for designing a TTE are discussed in Procedure T.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF FUGITIVE EMISSIONS

3.1 Locate all points where emissions are exhausted from the TTE. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

4. DETERMINATION OF VOEM CONTENT OF FUGITIVE EMISSIONS

4.1 Analysis Duration. Measure the VOEM responses at each fugitive emission point during the entire test run or, if applicable, while the process is operating. If there are multiple emission locations, design a sampling system to allow a single FIA to be used to determine the VOEM responses at all sampling locations.

4.2 Gas VOEM Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3, respectively.

4.2.2 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.3 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.4 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.5 Verify that the sample lines, filter, and pump temperatures are $120 \pm 5^\circ\text{C}$.

4.2.6 Begin sampling at the start of the test period and

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continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test point. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the response measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Determination of VOEM Background Concentration.

4.3.1.1 Locate all NDO's of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDO's, choose 6 sampling points evenly spaced among the NDO's.

4.3.1.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3.

4.3.1.3 Position the probe at the sampling location.

4.3.1.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.3 to 4.2.6.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOEM concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper

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responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas concentration that most closely approximates that of the fugitive gas emissions to conduct the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct a system drift check at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before each test run.

5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

A_i = area of NDO i , ft^2-i

A_N = total area of all NDO's in the enclosure, ft^2-i

C_{Bi} = corrected average VOEM concentration of background emissions at point i , ppm propane- i

C_B = average background concentration, ppm propane- i

C_{DH} = average measured concentration for the drift check calibration gas, ppm propane- i

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C_{Do} = average system drift check concentration for zero concentration gas, ppm propane- i

C_{Fj} = corrected average VOEM concentration of fugitive emissions at point j , ppm propane- i

C_H = actual concentration of the drift check calibration gas, ppm propane- i

C_i = uncorrected average background VOEM concentration measured at point i , ppm propane- i

C_j = uncorrected average VOEM concentration measured at point j , ppm propane- i

G = total VOEM content of captured emissions, kg- i

K_i = 1.830×10^{-6} kg/(m³-ppm)- i

n = number of measurement points- i

Q_{Fj} = average effluent volumetric flow rate corrected to standard conditions at fugitive emissions point j , m³/min- i

T_F = total duration of fugitive emissions sampling run, min.

7. CALCULATIONS

7.1 Total VOEM Fugitive Emissions.

$$F = \sum_{j=1}^n (C_{Fj} - C_B) Q_{Fj} T_F K_i \quad \text{Eq. 1}$$

7.2 VOEM Concentration of the Fugitive Emissions at Point j .

$$C_{Fj} = (C_j - C_{Do}) \frac{C_H}{C_{DH} - C_{Do}} \quad \text{Eq. 2}$$

7.3 Background VOEM Concentration at Point i .

$$C_{Bi} = (C_i - C_{Do}) \frac{C_H}{C_{DH} - C_{Do}} \quad \text{Eq. 3}$$

7.4 Average Background Concentration.

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$$C_B = \frac{\sum_{i=1}^n C_{Bi} A_i}{\sum A_i} \quad \text{Eq. 5}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms " A_i " and " A_N " may be deleted from Equation 4.

Procedure L - VOEM Input

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the input of volatile organic compounds materials (VOEM). It is intended to be used as a segment in the development of liquid/gas protocols for determining VOEM capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The amount of VOEM introduced to the process (L) is the sum of the products of the weight (W) of each VOEM containing liquid (ink, paint, solvent, etc.) used and its VOEM content (V). A sample of each VOEM containing liquid is analyzed with a flame ionization analyzer (FIA) to determine V.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each VOEM containing liquid as follows: $W = 2.0$ percent and $V = \pm 12.0$ percent. Based on these numbers, the probable uncertainty for L is estimated at about ± 12.2 percent for each VOEM containing liquid.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Liquid Weight.

2.1.1 Balances/Digital Scales. To weigh drums of VOEM

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containing liquids to within 0.2 lb.

2.1.2 Volume Measurement Apparatus (Alternative). Volume meters, flow meters, density measurement equipment, etc., as needed to achieve same accuracy as direct weight measurements.

2.2 VOCM Content (Flame Ionization Analyzer Technique). The liquid sample analysis system is shown in Figures 1 and 2. The following equipment is required:

2.2.1 Sample Collection Can. An appropriately sized metal can to be used to collect VOCM containing materials. The can must be constructed in such a way that it can be grounded to the coating container.

2.2.2 Needle Valves. To control gas flow.

2.2.3 Regulators. For carrier gas and calibration gas cylinders.

2.2.4 Tubing. Teflon or stainless steel tubing with diameters and lengths determined by connection requirements of equipment. The tubing between the sample oven outlet and the FIA shall be heated to maintain a temperature of $120 \pm 5^\circ\text{C}$.

2.2.5 Atmospheric Vent. A tee and 0- to 0.5-liter/min rotameter placed in the sampling line between the carrier gas cylinder and the VOCM sample vessel to release the excess carrier gas. A toggle valve placed between the tee and the rotameter facilitates leak tests of the analysis system.

2.2.6 Thermometer. Capable of measuring the temperature of the hot water bath to within 1°C .

2.2.7 Sample Oven. Heated enclosure, containing calibration gas coil heaters, critical orifice, aspirator, and other liquid sample analysis components, capable of maintaining a temperature of $120 \pm 5^\circ\text{C}$.

2.2.8 Gas Coil Heaters. Sufficient lengths of stainless steel or Teflon tubing to allow zero and calibration gases to be heated to the sample oven temperature before entering the critical orifice or aspirator.

2.2.9 Water Bath. Capable of heating and maintaining a sample vessel temperature of $100 \pm 5^\circ\text{C}$.

2.2.10 Analytical Balance. To measure ± 0.001 g.

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2.2.11 Disposable Syringes. 2-cc or 5-cc.

2.2.12 Sample Vessel. Glass, 40-ml septum vial. A separate vessel is needed for each sample.

2.2.13 Rubber Stopper. Two-hole stopper to accommodate 3.2-mm (1/8-in.) Teflon tubing, appropriately sized to fit the opening of the sample vessel. The rubber stopper should be wrapped in Teflon tape to provide a tighter seal and to prevent any reaction of the sample with the rubber stopper. Alternatively, any leak-free closure fabricated of non-reactive materials and accommodating the necessary tubing fittings may be used.

2.2.14 Critical Orifices. Calibrated critical orifices capable of providing constant flow rates from 50 to 250 ml/min at known pressure drops. Sapphire orifice assemblies (available from O'Keefe Controls Company) and glass capillary tubing have been found to be adequate for this application.

2.2.15 Vacuum Gauge. 0- to 760-mm (0- to 30-in.) Hg U-Tube manometer or vacuum gauge.

2.2.16 Pressure Gauge. Bourdon gauge capable of measuring the maximum air pressure at the aspirator inlet (e.g., 100 psig).

2.2.17 Aspirator. A device capable of generating sufficient vacuum at the sample vessel to create critical flow through the calibrated orifice when sufficient air pressure is present at the aspirator inlet. The aspirator must also provide sufficient sample pressure to operate the FIA. The sample is also mixed with the dilution gas within the aspirator.

2.2.18 Soap Bubble Meter. Of an appropriate size to calibrate the critical orifices in the system.

2.2.19 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.2.19.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.2.19.2 Calibration Drift. Less than ± 3.0 percent of span value.

2.2.19.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

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2.2.20 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.2.21 Chart Recorder (Optional). A chart recorder or similar device is recommended to provide a continuous analog display of the measurement results during the liquid sample analysis.

2.2.22 Calibration and Other Gases. For calibration, fuel, and combustion air (if required) contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.2.22.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.2.22.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane) or less than 0.1 percent of the span value, whichever is greater.

2.2.22.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.2.22.4 System Calibration Gas. Gas mixture standard containing propane in air, approximating the undiluted VOCM concentration expected for the liquid samples.

3. DETERMINATION OF LIQUID INPUT WEIGHT

3.1 Weight Difference. Determine the amount of material

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introduced to the process as the weight difference of the feed material before and after each sampling run. In determining the total VOCM containing liquid usage, account for: (a) the initial (beginning) VOCM containing liquid mixture; (b) any solvent added during the test run; (c) any coating added during the test run; and (d) any residual VOCM containing liquid mixture remaining at the end of the sample run.

3.1.1 Identify all points where VOCM containing liquids are introduced to the process. To obtain an accurate measurement of VOCM containing liquids, start with an empty fountain (if applicable). After completing the run, drain the liquid in the fountain back into the liquid drum (if possible), and weigh the drum again. Weigh the VOCM containing liquids to ± 0.5 percent of the total weight (full) or ± 0.1 percent of the total weight of VOCM containing liquid used during the sample run, whichever is less. If the residual liquid cannot be returned to the drum, drain the fountain into a preweighed empty drum to determine the final weight of the liquid.

3.1.2 If it is not possible to measure a single representative mixture, then weigh the various components separately (e.g., if solvent is added during the sampling run, weigh the solvent before it is added to the mixture). If a fresh drum of VOCM containing liquid is needed during the run, then weigh both the empty drum and fresh drum.

3.2 Volume Measurement (Alternative). If direct weight measurements are not feasible, the tester may use volume meters and flow rate meters (and density measurements) to determine the weight of liquids used if it can be demonstrated that the technique produces results equivalent to the direct weight measurements. If a single representative mixture cannot be measured, measure the components separately.

4. DETERMINATION OF VOCM CONTENT IN INPUT LIQUIDS

4.1 Collection of Liquid Samples.

4.1.1 Collect a 100-ml or larger sample of the VOCM containing liquid mixture at each application location at the beginning and end of each test run. A separate sample should be taken of each VOCM containing liquid added to the application mixture during the test run. If a fresh drum is needed during the sampling run, then obtain a sample from the fresh drum.

4.1.2 When collecting the sample, ground the sample container to the coating drum. Fill the sample container as close to the rim

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as possible to minimize the amount of headspace.

4.1.3 After the sample is collected, seal the container so the sample cannot leak out or evaporate.

4.1.4 Label the container to identify clearly the contents.

4.2 Liquid Sample VOEM Content.

4.2.1 Assemble the liquid VOEM content analysis system as shown in Figure 1.

4.2.2 Permanently identify all of the critical orifices that may be used. Calibrate each critical orifice under the expected operating conditions (i.e., sample vacuum and temperature) against a volume meter as described in Section 5.3.

4.2.3 Label and tare the sample vessels (including the stoppers and caps) and the syringes.

4.2.4 Install an empty sample vessel and perform a leak test of the system. Close the carrier gas valve and atmospheric vent and evacuate the sample vessel to 250 mm (10 in.) Hg absolute or less using the aspirator. Close the toggle valve at the inlet to the aspirator and observe the vacuum for at least one minute. If there is any change in the sample pressure, release the vacuum, adjust or repair the apparatus as necessary and repeat the leak test.

4.2.5 Perform the analyzer calibration and linearity checks according to the procedure in Section 5.1. Record the responses to each of the calibration gases and the back-pressure setting of the FIA.

4.2.6 Establish the appropriate dilution ratio by adjusting the aspirator air supply or substituting critical orifices. Operate the aspirator at a vacuum of at least 25 mm (1 in.) Hg greater than the vacuum necessary to achieve critical flow. Select the dilution ratio so that the maximum response of the FIA to the sample does not exceed the high-range calibration gas.

4.2.7 Perform system calibration checks at two levels by introducing compressed gases at the inlet to the sample vessel while the aspirator and dilution devices are operating. Perform these checks using the carrier gas (zero concentration) and the system calibration gas. If the response to the carrier gas exceeds ± 0.5 percent of span, clean or repair the apparatus and repeat the check. Adjust the dilution ratio as necessary to

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achieve the correct response to the upscale check, but do not adjust the analyzer calibration. Record the identification of the orifice, aspirator air supply pressure, FIA back-pressure, and the responses of the FIA to the carrier and system calibration gases.

4.2.8 After completing the above checks, inject the system calibration gas for approximately 10 minutes. Time the exact duration of the gas injection using a stopwatch. Determine the area under the FIA response curve and calculate the system response factor based on the sample gas flow rate, gas concentration, and the duration of the injection as compared to the integrated response using Equations 2 and 3.

4.2.9 Verify that the sample oven and sample line temperatures are $120 \pm 5^\circ\text{C}$ and that the water bath temperature is $100 \pm 5^\circ\text{C}$.

4.2.10 Fill a tared syringe with approximately 1 g of the VOEM containing liquid and weigh it. Transfer the liquid to a tared sample vessel. Plug the sample vessel to minimize sample loss. Weigh the sample vessel containing the liquid to determine the amount of sample actually received. Also, as a quality control check, weigh the empty syringe to determine the amount of material delivered. The two coating sample weights should agree within ± 0.02 g. If not, repeat the procedure until an acceptable sample is obtained.

4.2.11 Connect the vessel to the analysis system. Adjust the aspirator supply pressure to the correct value. Open the valve on the carrier gas supply to the sample vessel and adjust it to provide a slight excess flow to the atmospheric vent. As soon as the initial response of the FIA begins to decrease, immerse the sample vessel in the water bath. (Applying heat to the sample vessel too soon may cause the FID response to exceed the calibrated range of the instrument, and thus invalidate the analysis.)

4.2.12 Continuously measure and record the response of the FIA until all of the volatile material has been evaporated from the sample and the instrument response has returned to the baseline (i.e., response less than 0.5 percent of the span value). Observe the aspirator supply pressure, FIA back-pressure, atmospheric vent, and other system operating parameters during the run; repeat the analysis procedure if any of these parameters deviate from the values established during the system calibration checks in Section 4.2.7. After each sample perform the drift check described in Section 5.2. If the drift check results are acceptable, calculate the VOEM content of the sample using the

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equations in Section 7. Integrate the area under the FIA response curve, or determine the average concentration response and the duration of sample analysis.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. After each sample, repeat the system calibration checks in Section 4.2.7 before any adjustments to the FIA or measurement system are made. If the zero or calibration drift exceeds ± 3 percent of the span value, discard the result and repeat the analysis.

5.3 Critical Orifice Calibration.

5.3.1 Each critical orifice must be calibrated at the specific operating conditions that it will be used. Therefore, assemble all components of the liquid sample analysis system as shown in Figure 3. A stopwatch is also required.

5.3.2 Turn on the sample oven, sample line, and water bath heaters and allow the system to reach the proper operating temperature. Adjust the aspirator to a vacuum of 380 mm (15 in.) Hg vacuum. Measure the time required for one soap bubble to move a known distance and record barometric pressure.

5.3.3 Repeat the calibration procedure at a vacuum of 406 mm (16 in.) Hg and at 25-mm (1-in.) Hg intervals until three consecutive determinations provide the same flow rate. Calculate the critical flow rate for the orifice in ml/min at standard conditions. Record the vacuum necessary to achieve critical flow.

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6. NOMENCLATURE

A_L = area under the response curve of the liquid sample, area count $_{-i}$

A_3 = area under the response curve of the calibration gas, area count $_{-i}$

C_3 = actual concentration of system calibration gas, ppm propane $_{-i}$

K = 1.830×10^{-9} g/(ml-ppm) $_{-i}$

L = total VOEM content of liquid input, kg $_{-i}$

M_L = mass of liquid sample delivered to the sample vessel, g $_{-i}$

q = flow rate through critical orifice, ml/min $_{-i}$

RF = liquid analysis system response factor, g/area count $_{-i}$

T_3 = total gas injection time for system calibration gas during integrator calibration, min $_{-i}$

V_{fj} = final VOEM fraction of VOEM containing liquid j $_{-i}$

V_{ij} = initial VOEM fraction of VOEM containing liquid j $_{-i}$

V_{Aj} = VOEM fraction of VOEM containing liquid j added during the run $_{-i}$

V = VOEM fraction of liquid sample $_{-i}$

W_{fj} = weight of VOEM containing liquid j remaining at end of the run, kg $_{-i}$

W_{ij} = weight of VOEM containing liquid j at beginning of the run, kg $_{-i}$

W_{Aj} = weight of VOEM containing liquid j added during the run, kg.

7. CALCULATIONS

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7.1 Total VO_{EM} Content of the Input VO_{EM} Containing Liquid.

$$L = \sum_{j=1}^n V_{ij} W_{ij} + \sum_{j=1}^n V_{Aj} W_{Aj} \quad \text{Eq. 1}$$

7.2 Liquid Sample Analysis System Response Factor for Systems Using Integrators, Grams/Area Counts.

$$RF = \frac{C_s}{C_a} \frac{Q}{A_s} \frac{T_s}{K} \quad \text{Eq. 2}$$

7.3 VO_{EM} Content of the Liquid Sample.

$$V = \frac{A_L RF}{M_L} \quad \text{Eq. 3}$$

Procedure T - Criteria for and Verification of a Permanent or Temporary Total Enclosure

1. INTRODUCTION

1.1 Applicability. This procedure is used to determine whether a permanent or temporary enclosure meets the criteria of a total enclosure.

1.2 Principle. An enclosure is evaluated against a set of criteria. If the criteria are met and if all the exhaust gases are ducted to a control device, then the volatile organic compounds (VO_{EM}) capture efficiency (CE) is assumed to be 100 percent and CE need not be measured. However, if part of the exhaust gas stream is not ducted to a control device, CE must be determined.

2. DEFINITIONS

2.1 Natural Draft Opening (NDO) -- Any permanent opening in the enclosure that remains open during operation of the facility emission unit and is not connected to a duct in which a fan is installed.

2.2 Permanent Total Enclosure (PTE) -- A permanently installed enclosure that completely surrounds an ~~source-of emissions~~ unit such that all VO_{EM} emissions are captured and contained for discharge through a control device.

2.3 Temporary Total Enclosure (TTE) -- A temporarily installed

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enclosure that completely surrounds an ~~source-of emissions~~ unit such that all VO_{EM} emissions are captured and contained for discharge through ducts that allow for the accurate measurement of VO_{EM} rates.

3. CRITERIA OF A TEMPORARY TOTAL ENCLOSURE

3.1 Any NDO shall be at least 4 equivalent opening diameters from each VO_{EM} emitting point.

3.2 Any exhaust point from the enclosure shall be at least 4 equivalent duct or hood diameters from each NDO.

3.3 The total area of all NDO's shall not exceed 5 percent of the surface area of the enclosure's four walls, floor, and ceiling.

3.4 The average facial velocity (FV) of air through all NDO's shall be at least 3,600 m/hr (200 fpm). The direction of air through all NDO's shall be into the enclosure.

3.5 All access doors and windows whose areas are not included in Section 3.3 and are not included in the calculation in Section 3.4 shall be closed during routine operation of the ~~preemission~~ unit.

4. CRITERIA OF A PERMANENT TOTAL ENCLOSURE

4.1 Same as Sections 3.1 and 3.3 - 3.5.

4.2 All VO_{EM} emissions must be captured and contained for discharge through a control device.

5. PROCEDURE

5.1 Determine the equivalent diameters of the NDO's and determine the distances from each VO_{EM} emitting point to all NDO's. Determine the equivalent diameter of each exhaust duct or hood and its distance to all NDO's. Calculate the distances in terms of equivalent diameters. The number of equivalent diameters shall be at least 4.

5.2 Measure the total area (A_t) of the enclosure and the total area (A_N) of all NDO's of the enclosure. Calculate the NDO to enclosure area ratio (NEAR) as follows:

$$\text{NEAR} = A_N / A_t$$

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The NEAR must be < 0.05 .

5.3 Measure the volumetric flow rate, corrected to standard conditions, of each gas stream exiting the enclosure through an exhaust duct or hood using EPA Method 2. In some cases (e.g., when the building is the enclosure), it may be necessary to measure the volumetric flow rate, corrected to standard conditions, of each gas stream entering the enclosure through a forced makeup air duct using Method 2. Calculate FV using the following equation:

$$FV = [Q_0 - Q_i]/A_N$$

where:

Q_0 = the sum of the volumetric flow from all gas streams exiting the enclosure through an exhaust duct or hood.

Q_i = the sum of the volumetric flow from all gas streams into the enclosure through a forced makeup air duct; zero, if there is no forced makeup air into the enclosure.

A_N = total area of all NDO's in enclosure.

The FV shall be at least 3,600 m/hr (200 fpm).

5.4 Verify that the direction of air flow through all NDO's is inward. Use streamers, smoke tubes, tracer gases, etc. Strips of plastic wrapping film have been found to be effective. Monitor the direction of air flow at intervals of at least 10 minutes for at least 1 hour.

6. QUALITY ASSURANCE

6.1 The success of this protocol lies in designing the TTE to simulate the conditions that exist without the TTE, i.e., the effect of the TTE on the normal flow patterns around the affected facility emission unit or the amount of fugitive VOEM emissions should be minimal. The TTE must enclose the application stations, coating reservoirs, and all areas from the application station to the oven. The oven does not have to be enclosed if it is under negative pressure. The NDO's of the temporary enclosure and a fugitive exhaust fan must be properly sized and placed.

6.2. Estimate the ventilation rate of the TTE that best

simulates the conditions that exist without the TTE, i.e., the effect of the TTE on the normal flow patterns around the affected facility emission unit or the amount of fugitive VOEM emissions should be minimal. Figure 1 may be used as an aid. Measure the concentration (C_0) and flow rate (Q_0) of the captured gas stream, specify a safe concentration (C_P) for the fugitive gas stream, estimate the CE, and then use the plot in Figure 1 to determine the volumetric flowrate of the fugitive gas stream (Q_P). A fugitive VOEM emission exhaust fan that has a variable flow control is desirable.

6.2.1 Monitor the concentration of VOEM into the capture device without the TTE. To minimize the effect of temporal variation on the captured emissions, the baseline measurement should be made over as long a time period as practical. However, the process conditions must be the same for the measurement in Section 6.2.3 as they are for this baseline measurement. This may require short measuring times for this quality control check before and after the construction of the TTE.

6.2.2 After the TTE is constructed, monitor the VOEM concentration inside the TTE. This concentration shall not continue to increase and must not exceed the safe level according to OSHA requirements for permissible exposure limits. An increase in VOEM concentration indicates poor TTE design or poor capture efficiency.

6.2.3 Monitor the concentration of VOEM into the capture device with the TTE. To limit the effect of the TTE on the process, the VOEM concentration with and without the TTE must be within ± 10 percent. If the measurements do not agree, adjust the ventilation rate from the TTE until they agree within 10 percent.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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Section 218. APPENDIX C
REFERENCE TEST METHODS AND PROCEDURES FOR AIR OXIDATION PROCESSES

Introduction

This Appendix presents the reference methods and procedures required for implementing Reasonably Available Control Technology (RACT). Methods and procedures are identified for two types of RACT implementation:

- a) Determination of VOCM destruction efficiency for evaluating compliance with the 98 weight percent VOCM reduction or 20 ppmv emission limit specified in Sections 215.520 through 215.527; and

- b) Determination of offgas flowrate, hourly emissions and stream net heating value for calculating TRE.

All reference methods identified in this Appendix refer to the reference methods specified at 40 CFR 60, Appendix A, incorporated by reference in Section 215.105.

VOCM DESTRUCTION EFFICIENCY DETERMINATION

The following reference methods and procedures are required for determining compliance with the percent destruction efficiency specified in Sections 215.520 through 215.527.

- a) Reference Method 1 or 1A for selection of the sampling site. The control device inlet sampling site for determination of vent stream molar composition or total organic compound destruction efficiency shall be prior to the inlet of any control device and after all recovery devices.
- b) Reference Methods 2, 2A, 2C or 2D for determination of the volumetric flowrate.
- c) Reference Method 3 to measure oxygen concentration of the air dilution correction. The emission sample shall be corrected to 3 percent oxygen.
- d) Reference Method 18 to determine the concentration of total organic compounds (minus methane and ethane) in the control device outlet and total organic compound reduction efficiency of the control device.

TRE DETERMINATION

The following reference methods and procedures are required for determining the offgas flowrate, hourly emissions, and the net heating value of the gas combusted to calculate the vent stream TRE.

- a) Reference Method 1 or 1A for selection of the sampling site. The sampling site for the vent stream flowrate and molar composition determination prescribed in (b) and (c) shall be prior to the inlet of any combustion device, prior to any post-reactor dilution of the stream with air and prior to any post-reactor introduction of halogenated compounds into the vent stream. Subject to the preceding restrictions on the sampling site, it shall be after the final recovery device. If any gas stream other than the air oxidation vent stream is normally conducted through the recovery system of the affected facility, such stream shall be rerouted or turned off while the vent stream is sampled, but shall be routed normally prior to the measuring of the initial value of the monitored parameters for determining compliance with the recommended RACT. If the air oxidation vent stream is normally routed through any equipment which is not a part of the air oxidation process as defined in 35 Ill. Adm. Code 211.122, such equipment shall be bypassed by the vent stream while the vent stream is sampled, but shall not be bypassed during the measurement of the initial value of the monitored parameters for determining compliance with Subpart V.
- b) The molar composition of the vent stream shall be determined using the following methods:
 - 1) Reference Method 18 to measure the concentration of all organics, including those containing halogens, unless a significant portion of the compounds of interest are polymeric (high molecular weight), can polymerize before analysis or have low vapor pressures, in which case Reference Method 25(a) shall be used.
 - 2) ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215.105, to measure the concentration of carbon monoxide and hydrogen.
 - 3) Reference Method 4 to measure the content of water vapor, if necessary.
- c) The volumetric flowrate shall be determined using Reference Method 2, 2A, 2C or 2D, as appropriate.
- d) The net heating value of the vent stream shall be calculated

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using the following equation:

$$H = K \sum_{i=1}^n C_i H_i$$

Where:

H = Net heating value of the sample, MJ/scm, where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of F (vent stream flowrate) below.

K = Constant, 1.740×10^{-7} (1/ppm) (mole/scm) (MJ/kcal) where standard temperature for mole/scm is 20°C.

C_i = Concentration of sample component i, reported on a wet basis, in ppm, as measured by Reference Method 18 or ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215.105.

H_i = Net heat of combustion of sample component i, kcal/mole based on combustion at 25°C and 760 mm Hg. If published values are not available or cannot be calculated, the heats of combustion of vent stream components are required to be determined using ASTM D2382-76, incorporated by reference in Section 215.105.

e) The emission rate of total organic compounds in the process vent stream shall be calculated using the following equation:

$$E = K \sum_{i=1}^n C_i H_i$$

Where:

E = Emission rate of total organic compounds (minus methane and ethane) in the sample in kg/hr-τ;

K = Constant 2.494×10^{-6} (1/ppm) (mole/scm) (kg/g) (min/hr), where standard temperature for (mole/scm) is 20°C-τ;

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M_i = Molecular weight of sample component i (g/mole)-τ;
F = Vent stream flowrate (scm/min), at a standard temperature of 20°C.

f) The total vent stream concentration (by volume) of compounds containing halogens (ppmv, by compound) shall be summed from the individual concentrations of compounds containing halogens which were measured by Reference Method 18.

(Source: Amended at ___ Ill. Reg. ____, effective _____)

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Section 218. APPENDIX D
COEFFICIENTS FOR THE TOTAL RESOURCE EFFECTIVENESS INDEX (TRE)
EQUATION

This Appendix contains values for the total resource effectiveness index (TRE) equation in Subpart V.

If a flow rate falls exactly on the boundary between the indicated ranges, the operator shall use the row in which the flow rate is maximum.

COEFFICIENTS FOR TRE EQUATION FOR CHLORINATED PROCESS

VENT STREAMS WITH

NET HEATING VALUE LESS THAN OR EQUAL TO 3.5 MJ/scm

FLOW RATE

(scm/min)

Min.	Max.	a	b	c	d	e	f
0.0	13.5	48.73	0.	0.404	-0.1632	0.	0.
13.5	700.	42.35	0.624	0.404	-0.1632	0.	0.0245
700.	1400.	84.38	0.678	0.404	-0.1632	0.	0.0346
1400.	2100.	126.41	0.712	0.404	-0.1632	0.	0.0424
2100.	2800.	168.44	0.747	0.404	-0.1632	0.	0.0490
2800.	3500.	210.47	0.758	0.404	-0.1632	0.	0.0548

COEFFICIENTS FOR TRE EQUATION FOR CHLORINATED PROCESS

VENT STREAMS WITH

NET HEATING VALUE GREATER THAN 3.5 MJ/scm

FLOW RATE

(scm/min)

Min.	Max.	a	b	c	d	e	f
0.	13.5	47.76	0.	-0.292	0.	0.	0.
13.5	700.	41.58	0.605	-0.292	0.	0.	0.0245
700.	1400.	82.84	0.658	-0.292	0.	0.	0.0346
1400.	2100.	123.10	0.691	-0.292	0.	0.	0.0424
2100.	2800.	165.36	0.715	-0.292	0.	0.	0.0490
2800.	3500.	206.62	0.734	-0.292	0.	0.	0.0548

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED PROCESS

VENT STREAMS WITH

NET HEATING VALUE LESS THAN OR EQUAL TO 0.48 MJ/scm

FLOW RATE

(scm/min)

Min.	Max.	a	b	c	d	e	f
0.	13.5	19.05	0.	0.113	-0.214	0.	0.
13.5	1350.	16.61	0.239	0.113	-0.214	0.	0.0245

1350.	2700.	32.91	0.260	0.113	-0.214	0.	0.0346
2700.	4050.	49.21	0.273	0.113	-0.214	0.	0.0424

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED PROCESS

VENT STREAMS

WITH NET HEATING VALUE GREATER THAN 0.48 AND LESS THAN OR
EQUAL TO 1.9 MJ/scm

FLOW RATE

(scm/min)

Min.	Max.	a	b	c	d	e	f
0.	13.5	19.74	0.	0.400	-0.202	0.	0.
13.5	1350.	18.30	0.138	0.400	-0.202	0.	0.0245
1350.	2700.	36.28	0.150	0.400	-0.202	0.	0.0346
2700.	4050.	54.26	0.158	0.400	-0.202	0.	0.0424

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED PROCESS

VENT STREAMS

WITH NET HEATING VALUE GREATER THAN 1.9 AND LESS THAN OR
EQUAL TO 3.6 MJ/scm

FLOW RATE

(scm/min)

Min.	Max.	a	b	c	d	e	f
0.	13.5	15.24	0.	0.033	0.	0.	0.
13.5	1190.	13.63	0.157	0.033	0.	0.	0.0245
1190.	2380.	26.95	0.171	0.033	0.	0.	0.0346
2380.	3570.	40.27	0.179	0.033	0.	0.	0.0424

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED PROCESS

VENT STREAMS WITH

NET HEATING VALUE GREATER THAN 3.6 MJ/scm

FLOW RATE

(scm/min)

Min.	Max.	a	b	c	d	e	f
0.	13.5	15.24	0.	0.	0.0090	0.	0.
13.5	1190.	13.63	0.	0.	0.0090	0.0503	0.0245
1190.	2380.	26.95	0.	0.	0.0090	0.0546	0.0346
2380.	3570.	40.27	0.	0.	0.0090	0.0573	0.0424

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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- 1) Heading of Part: Organic Material Emission Standards and Limitations for the Metro East Area

- 2) Code Citation: 35 Ill. Adm. Code 219

<u>Section Numbers:</u>	<u>Proposed Action:</u>
219.100	Amended
219.101	Repealed, Adopted
219.102, 219.104, 219.105	Amended
219.106, 219.107, 219.109	Amended
219.110, 219.111, 219.112	Amended
219.121, 219.122, 219.123	Amended
219.124	Amended
219.125, 219.126	Repealed
219.141, 219.143, 219.144	Amended
219.181, 219.182, 219.183	Amended
219.184	Amended
219.185	Repealed
219.186, 219.204, 219.205	Amended
219.206, 219.207, 219.208	Amended
219.209, 219.210, 219.211	Amended
219.301, 219.302, 219.303	Amended
219.304, 219.401, 219.402	Amended
219.403, 219.404, 219.405	Amended
219.421, 219.422, 219.423	Amended
219.424, 219.425, 219.426	Amended
219.427, 219.428, 219.429	Amended
219.430	Repealed
219.441, 219.443, 219.445	Amended
219.446, 219.447, 219.449	Amended
219.450, 219.452	Amended
219.453	Repealed
219.461, 219.462, 219.463	Amended
219.464	Amended
219.465, 219.466	Repealed
219.480, 219.481, 219.482	Amended
219.483, 219.485, 219.486	Amended
219.487, 219.489	Amended
219.521	Repealed
219.525	Amended
219.527	Repealed
219.541, 219.562, 219.581	Amended
219.582, 219.583, 219.584	Amended
219.585, 219.586, 219.601	Amended
219.602, 219.603	Amended
219.604, 219.605, 219.606	Repealed
219.608, 219.609, 219.610	Amended
219.611	Amended

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219.612, 219.613	Repealed
219.620, 219.621, 219.623	Amended
219.624, 219.628, 219.636	Amended
219.637	Amended
219.640	Renumbered, Amended
219.642	Renumbered, Amended
219.644	Renumbered, Amended
219.875, 219.877	Renumbered, Amended
219.879, 219.881, 219.883	Renumbered
219.886	Renumbered
219.920, 219.923, 219.926	Amended
219.927, 219.928, 219.940	Amended
219.943, 219.946, 219.947	Amended
219.948, 219.960, 219.963	Amended
219.966, 219.967, 219.968	Amended
219.980, 219.983, 219.986	Amended
219.987, 219.988, 219.990	Amended
219.991	Amended
219.Appendix A	Amended
219.Appendix B	Amended
219.Appendix C	Amended
219.Appendix D	Amended

- 4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, par. 1027 and Section 28.5 of the Environmental Protection Act (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/27 and 28.5].
- 5) A Complete Description of the Subjects and Issues Involved:
The proposed rule is part of a plan to meet the State's obligation to provide for a federally approvable State Implementation Plan that includes corrections to existing reasonably available control technology rules controlling emissions of volatile organic material in the nonattainment areas as required by the Clean Air Act Amendments of 1990. A complete description of the proposal can be obtained from the proposal submitted to the Board. The proposal in R93-9 is available for inspection and copying through the Clerk of the Board.
- 6) Will this proposed rule replace an emergency rule currently in effect? No
- 7) Does this rulemaking contain an automatic repeal date? No
- 8) Does this proposed rule (amendment, repealer) contain incorporations by reference? Yes

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- 9) Are there any other proposed amendments pending on this Part? No
- 10) Statement of Statewide Policy Objectives: These proposed rules and amendments do not create or enlarge a state mandate as defined in Section 3(b) of the State Mandates Act (Ill. Rev. Stat. 1991, ch. 85, par. 2203(b)) [30 ILCS 805/3(b)].
- 11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Send written comments concerning R93-9 within 45 days of publication in the Illinois Register to:
- Clerk of the Pollution Control Board
100 West Randolph Street
Suite 11-500
Chicago, Illinois 60601
- and
- Nidhi D. Kapoor
Assistant Counsel
Illinois Environmental Protection Agency
Bureau of Air
P.O. Box 19276
Springfield, Illinois 62794-9276
- All comments shall be clearly marked with the docket number R93-9. Additionally, hearings are required to be held in this matter. The first hearing is scheduled for May 7, 1993. For further information on hearings, contact Diane O'Neill, hearing officer, at (312) 814-6062.
- 12) Initial Regulatory Flexibility Analysis: These proposed rules are mandated by the Clean Air Act and, therefore, no small business will be affected to degree greater than allowed by federal law. Consequently, a Regulatory Flexibility Analysis is not applicable.
- A) Date rule was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs: March 26, 1993

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- B) Types of small business affected: Any small business which owns or operates an emission source in Madison, Monroe or St. Clair Counties.
- C) Reporting, bookkeeping or other procedures required for compliance: Some reporting, bookkeeping and testing requirements are specified in this rule.
- D) Types of professional skills necessary for compliance: Clerical, managerial, professional.

The full text of the Proposed Rule begins on the next page:

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TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE B: AIR POLLUTION

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: EMISSIONS STANDARDS AND LIMITATIONS
FOR STATIONARY SOURCES

PART 219

ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS
FOR STATIONARY SOURCES

SUBPART A: GENERAL PROVISIONS

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219.100	Introduction
219.101	Clean-up and Disposal Operations
219.102	Abbreviations and Conversion Factors
219.103	Applicability
219.104	Definitions
219.105	Test Methods and Procedures
219.106	Compliance Dates
219.107	Operation of Afterburners
219.108	Exemptions, Variations, and Alternative Means of Control or Compliance Determinations
219.109	Vapor Pressure of Volatile Organic Liquids
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219.111	Vapor Pressure of Volatile Organic Material
219.112	Incorporations by Reference

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

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219.121	Storage Containers
219.122	Loading Operations
219.123	Petroleum Liquid Storage Tanks
219.124	External Floating Roofs
219.125	Compliance Dates (Repealed)
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SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

Section	
219.141	Separation Operations
219.142	Pumps and Compressors
219.143	Vapor Blowdown
219.144	Safety Relief Valves

SUBPART E: SOLVENT CLEANING

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219.181	Solvent Cleaning in General
219.182	Cold Cleaning
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219.185	Compliance Schedule (Repealed)
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SUBPART F: COATING OPERATIONS

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219.210	Compliance Schedule
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219.401	Flexographic and Rotogravure Printing
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219.405	Heatset-Web-Offset Lithographic Printing

SUBPART Q: LEAKS FROM SYNTHETIC ORGANIC CHEMICAL AND POLYMER
MANUFACTURING EQUIPMENT PLANT

Section	
219.421	General Requirements
219.422	Inspection Program Plan for Leaks
219.423	Inspection Program for Leaks
219.424	Repairing Leaks
219.425	Recordkeeping for Leaks
219.426	Report for Leaks
219.427	Alternative Program for Leaks

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219.428 Open-ended Valves
 219.429 Standards for Control Devices
 219.430 Compliance Date (Repealed)

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES;
 ASPHALT MATERIALS

SUBPART V: AIR OXIDATION PROCESSES

Section
 219.521 Definitions (Repealed)
 219.525 Emission Limitations for Air Oxidation Processes
 219.526 Testing and Monitoring
 219.527 Compliance Date (Repealed)

Section
 219.441 Petroleum Refinery Waste Gas Disposal
 219.442 Vacuum Producing Systems
 219.443 Wastewater (Oil/Water) Separator
 219.444 Process Unit Turnarounds
 219.445 Leaks: General Requirements
 219.446 Monitoring Program Plan for Leaks
 219.447 Monitoring Program for Leaks
 219.448 Recordkeeping for Leaks
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 219.451 Sealing Device Requirements
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 219.561 Architectural Coatings
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 219.581 Bulk Gasoline Plants
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 219.480 Applicability of ~~Subpart T~~
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 219.602 Exemptions
 219.603 Leaks
 219.604 Compliance Dates (Repealed)
 219.605 Compliance Plan (Repealed)
 219.606 Exception to Compliance Plan (Repealed)
 219.607 Standards for Petroleum Solvent Dry Cleaners
 219.608 Operating Practices for Petroleum Solvent Dry Cleaners
 219.609 Program for Inspection and Repair of Leaks
 219.610 Testing and Monitoring
 219.611 Exception for Petroleum Solvent Dry Cleaners
 219.612 Compliance Dates (Repealed)
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SUBPART AA: PAINT AND INK MANUFACTURING

Section	Applicability
219.620	Exemption for Waterbase Material and Heatset Ink
219.621	Permit Conditions
219.623	Open-Top Mills, Tanks, Vats or Vessels
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219.875	Emissions Limitations at Polystyrene Plants
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219.879	Applicability of Subpart BB (Renumbered)
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219.883	Compliance Date (Repealed)
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SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

Section	Applicability
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219.923	Control Requirements
219.926	Compliance Schedule
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SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

Section	Applicability
219.940	Permit Conditions
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SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL

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Section	Applicability
219.960	Permit Conditions
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SUBPART TT: OTHER EMISSION SOURCES UNITS

Section	Applicability
219.980	Permit Conditions
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Section 219. Appendix A:

List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing VOM Measurement Techniques for Capture Efficiency Reference Methods and Procedures

Section 219. Appendix B:

Coefficients for the Total Resource Effectiveness Index (TRE) Equation

Section 219. Appendix C:

Procedures

Section 219. Appendix D:

Coefficients for the Total Resource Effectiveness Index (TRE) Equation

AUTHORITY: Implementing Section 10 and authorized by Section 28.5 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, par. 1010) (P.A. 87-1213, effective September 26, 1992) [415 ILCS 5/10 and 28.5].

SOURCE: Adopted at R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13883, effective August 24, 1992; amended in _____ at _____ Ill. Reg. _____, effective _____.

SUBPART A: GENERAL PROVISIONS

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MJ	megajoules
mm-Hg	millimeters of mercury
ppm	parts per million
ppmv	parts per million by volume
psi	pounds per square inch
psia	pounds per square inch absolute
psig	pounds per square inch gauge
sf	standard cubic feet
scm	standard cubic meters
sec	seconds
SIP	State Implementation Plan
TTE	temporary total enclosure
sq-cm	square centimeters
sq-in	square inches
T	English ton
ton	English ton
USEPA	United States Environmental Protection Agency
VOC	volatile organic compounds
vol	volatile organic liquids
VOM	volatile organic materials

b) The following conversion factors are used in this Part.

English	Metric
1-gal	3.785-l
1,000-gal	3,785-l or 3.785-m ³
1-psia	6,897-kpa (51.71-mm Hg)
2-205-lbs	1-kg
1-bbl	159.0-l
1-cu-in	16.39-ml
1-lb/gal	119,800-mg/l
1-ton	9,007-Mg
1-T	9,907-Mg

The abbreviations and conversion factors of 35 Ill. Adm. Code 211 apply to this Part.

(Source: Amended at ____, Ill. Reg. ____ effective ____)

Section 219.104 Definitions

The following terms are defined for the purpose of this Part.

"Accelerator" means a pharmaceutical coating operation which consists of a horizontally rotating perforated drum in which tablets are placed, a coating is applied

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- by spraying, and the coating is dried by the flow of air across the drum through the perforations.
- "Accumulator" means the reservoir of a condensing unit receiving the condensate from a surface condenser.
- "Acid Gases" means for the purposes of Section 9.4 of the Environmental Protection Act (the Act) (Ill. Rev. Stat., 1987, ch. 111 1/2, par. 1009.4), hydrogen chloride, hydrogen fluoride and hydrogen bromide, which exist as gases, liquid mist, or any combination thereof.
- "Actual emissions" means the actual quantity of VOM emissions from an emission source during a particular time period.
- "Actual Heat Input" means the quantity of heat produced by the combustion of fuel using the gross heating value of the fuel.
- "Adhesive" means any substance or mixture of substances intended to serve as a joining compound.
- "Afterburner" means a control device in which materials in gaseous effluent are combusted.
- "Air contaminant" means any solid, liquid, or gaseous matter, any odor, or any form of energy, that is capable of being released into the atmosphere from an emission source.
- "Air dried coatings" means any coatings that dry by use of air or forced air at temperatures up to 363.15°K (194°F).
- "Air pollution" means the presence in the atmosphere of one or more air contaminants in sufficient quantities and of such characteristics and duration as to be injurious to human, plant, or animal life, to health, or to property, or to unreasonably interfere with the enjoyment of life or property.
- "Air pollution control equipment" means any equipment or facility of a type intended to eliminate, prevent, reduce or control the emission of specified air contaminants to the atmosphere.

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"Air suspension coater/dryer" means a pharmaceutical coating operation which consists of vertical chambers in which tablets or particles are placed, and a coating is applied and then dried while the tablets or particles are kept in a fluidized state by the passage of air upward through the chambers.

"Airless spray" means a spray coating method in which the coating is atomized by forcing it through a small opening at high pressure. The coating liquid is not mixed with air before exiting from the nozzle.

"Air-assisted airless spray" means a spray coating method which combines compressed air with hydraulic pressure to atomize the coating material into finer droplets than is achieved with pure airless spray. Lower hydraulic pressure is used than with airless spray.

"Allowable emissions" means the quantity of VOM emissions during a particular time period from a stationary source calculated using the maximum rated capacity of the source (unless restricted by federally enforceable limitations on operating rate, hours of operation, or both) and the most stringent of: the applicable standards in 40 CFR Parts 60 and 61; the applicable implementation plan; or a federally enforceable permit.

"Ambient air quality standards" means those standards designed to protect the public health and welfare codified in 40 CFR Part 50 and promulgated from time to time by the USEPA pursuant to authority contained in Section 108 of the Clean Air Act, 42 U.S.C. 7401 et seq., as amended from time to time.

"Applicator" means a device used in a coating line to apply coating.

"As applied" means the exact formulation of a coating during application on or impregnation into a substrate.

"Architectural Coating" means any coating used for residential or commercial buildings or their appurtenances, or for industrial buildings, which is site applied.

"Asphalt" means the dark brown to black cementitious

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material (solid, semisolid, or liquid in consistency) of which the main constituents are bitumens which occur naturally or as a residue of petroleum refining.

"Asphalt Prime Coat" means a low viscosity liquid asphalt applied to an absorbent surface as the first of more than one asphalt coat.

"Automobile" means a motor vehicle capable of carrying no more than 12 passengers.

"Automobile or light duty truck assembly plant" means a facility where parts are assembled or finished for eventual inclusion into a finished automobile or light duty truck ready for sale to vehicle dealers, but not including customizers, body shops, and other repairers.

"Automobile or light duty truck refinishing" means the repainting of used automobiles and light duty trucks.

"Baked coatings" means any coating which is cured or dried in an oven where the oven air temperature exceeds 90°C (194°F).

"Batch Loading" means the process of loading a number of individual parts at the same time for degreasing.

"Bead-Dipping" means the dipping of an assembled tire bead into a solvent-based cement.

"Binders" means organic materials and resins which do not contain VOM.

"Bituminous coatings" means black or brownish coating materials which are soluble in carbon disulfide, which consist mainly of hydrocarbons, and which are obtained from natural deposits or as residues from the distillation of crude oils or of low grades of coal.

"British Thermal Unit" means the quantity of heat required to raise one pound of water from 60°F to 61°F (abbreviated Btu).

"Brush or wipe coating" means a manual method of applying a coating using a brush, cloth, or similar object.

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"Bulk gasoline plant" means a gasoline storage and distribution facility with an average throughput of 76,000 l (20,000 gal) or less on a 30-day rolling average that distributes gasoline to gasoline dispensing facilities.

"Bulk Gasoline Terminal" means any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, and distributes gasoline to bulk gasoline plants or gasoline dispensing facilities.

"Can" means any metal container, with or without a top, cover, spout or handles, into which solid or liquid materials are packaged.

"Can coating" means any coating applied on a single walled container that is manufactured from metal sheets thinner than 29 gauge (0.0141 in.).

"Can coating" means a facility that includes one or more can coating line(s).

"Can coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of cans or can components.

"Capture" means the containment or recovery of emissions from a process for direction into a duct which may be exhausted through a stack or vent to a control device. The overall abatement of emissions from a process with an add-on control device is a function both of the capture efficiency and of the control device.

"Capture device" means a hood, enclosed room floor sweep or other means of collecting solvent or other pollutants into a duct. The pollutant can then be directed to a pollution control device such as an afterburner or carbon adsorber. Sometimes the term is used loosely to include the control device.

"Capture efficiency" means the fraction of all VOM generated by a process that are directed to an abatement or recovery device.

"Capture system" means all equipment (including, but not limited to, hoods, ducts, fans, ovens, dryers, etc.) used to contain, collect and transport an air

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pollutant to a control device.

"Clean Air Act" means the Clean Air Act of 1963, as amended, including the Clean Air Act Amendments of 1977, (42 U.S.C. 7401 et seq.), and the Clean Air Act Amendments of 1990, (P.L. 101-549).

"Clear coating" means coatings that lack color and opacity or are transparent using the undercoat as a reflectant base or undertone color.

"Clear topcoat" means the final coating which contains binders, but not opaque pigments, and is specifically formulated to form a transparent or translucent solid protective film.

"Closed Purge System" means a system that is not open to the atmosphere and that is composed of piping, connections, and, if necessary, flow inducing devices that transport liquid or vapor from a piece or pieces of equipment to a control device, or return the liquid or vapor to the process line.

"Closed vent system" means a system that is not open to the atmosphere and is composed of piping, connections, and, if necessary, flow inducing devices that transport gas or vapor from an emission source to a control device.

"Coating" means a material applied onto or impregnated into a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, sealers, adhesives, thinners, diluents, and inks.

"Coating applicator" means equipment used to apply a coating.

"Coating line" means an operation consisting of a series of one or more coating applicators and any associated flash-off areas, drying areas, and ovens wherein a surface coating is applied, dried or cured. (It is not necessary for an operation to have an oven, or flash-off area, or drying area to be included in this definition.)

"Coating plant" means any plant that contains one or more coating line(s).

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"Coil" means any flat metal sheet or strip that is rolled or wound in concentric rings.

"Coil coating" means any coating applied on any flat metal sheet or strip that comes in rolls or coils.

"Coil coating facility" means a facility that includes one or more coil coating line(s).

"Coil coating line" means a coating line in which any protective, decorative or functional coating is applied onto the surface of flat metal sheets, strips, rolls, or coils for industrial or commercial use.

"Cold cleaning" means the process of cleaning and removing soils from surfaces by spraying, brushing, flushing, or immersion while maintaining the organic solvent below its boiling point. Wipe cleaning is not included in this definition.

"Complete Combustion" means a process in which all carbon contained in a fuel or gas stream is converted to carbon dioxide.

"Component" means, with respect to synthetic organic chemical and polymer manufacturing equipment, and petroleum refining and related industries, any piece of equipment which has the potential to leak VOM including, but not limited to, pump seals, compressor seals, seal oil degassing vents, pipeline valves, pressure relief devices, process drains, and open ended pipes. This definition excludes valves which are not externally regulated, flanges, and equipment in heavy liquid service. For purposes of Subpart Q of this Part, this definition also excludes bleed ports of gear pumps in polymer service.

"Concrete curing compounds" means any coating applied to freshly poured concrete to retard the evaporation of water.

"Condensate" means volatile organic liquid separated from its associated gases, which condenses due to changes in the temperature or pressure and remains liquid at standard conditions.

"Continuous process" means, with respect to polystyrene resin, a method of manufacture in which the styrene raw

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material is delivered on a continuous basis to the reactor in which the styrene is polymerized to polystyrene.

"Control device" means equipment (such as an afterburner or adsorber) used to remove or prevent the emission of air pollutants from a contaminated exhaust stream.

"Control device efficiency" means the ratio of the pollution prevented by a control device and the pollution introduced to the control device, expressed as a percentage.

"ConveyORIZED degreasing" means the continuous process of cleaning and removing soils from surfaces utilizing either cold or vaporized solvents.

"Crude oil" means a naturally occurring mixture which consists of hydrocarbons and sulfur, nitrogen, or oxygen derivatives of hydrocarbons and which is a liquid at standard conditions.

"Crude oil gathering" means the transportation of crude oil or condensate after custody transfer between a production facility and a reception point.

"Custody transfer" means the transfer of produced petroleum and/or condensate after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other forms of transportation.

"Cutback Asphalt" means any asphalt which has been liquified by blending with petroleum solvents other than residual fuel oil and has not been emulsified with water.

"Daily weighted average VOM content" means the average VOM content of two or more coatings as applied on a coating line during any day, taking into account the fraction of total coating volume that each coating represents, as calculated with the following equation:

$$VOM_w = \frac{\sum_{i=1}^n V_i C_i}{\sum_{i=1}^n V_i}$$

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where:

VOM_v = The average VOM content of two or more coatings as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM),

n = The number of different coatings as applied each day on a coating line,

V_i = The volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of l (gal),

C_i = The VOM content of each coating as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM), and

V_t = The total volume of all coatings (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of l (gal),

"Day" means the consecutive 24 hours beginning at 12:00 AM (midnight) local time.

"Degreaser" means any equipment or system used in solvent cleaning.

"Delivery vessel" means any tank truck or trailer equipped with a storage tank that is used for the transport of gasoline to a stationary storage tank at a gasoline dispensing facility, bulk gasoline plant, or bulk gasoline terminal.

"Dip coating" means a method of applying coatings in which the part is submerged in a tank filled with the coating.

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"Distillate Fuel Oil" means fuel oils of grade No. 1 or 2 as specified in detailed requirements for fuel oil ASTM D-369-69 (1971).

"Dry Cleaning Facility" means a facility engaged in the cleaning of fabrics using an essentially nonaqueous solvent by means of one or more solvent washes, extraction of excess solvent by spinning and drying by tumbling in an airstream. The facility includes, but is not limited to, washers, dryers, filter and purification systems, waste disposal systems, holding tanks, pumps and attendant piping and valves.

"Effluent Water Separator" means any tank, box, sump or other apparatus in which any organic material floating on or entrained or contained in water entering such tank, box, sump or other apparatus is physically separated and removed from such water prior to outfall, drainage or recovery of such water.

"Electrostatic bell or disc spray" means an electrostatic spray coating method in which a rapidly spinning bell or disc shaped applicator is used to create a fine mist and apply the coating with high transfer efficiency.

"Electrostatic spray" means a spray coating method in which opposite electrical charges are applied to the substrate and the coating. The coating is attracted to the object due to the electrostatic potential between them.

"Emission Rate" means total quantity of any air contaminant discharge into the atmosphere in any one hour period.

"Emission source" and "source" mean any facility from which VOM is emitted or capable of being emitted into the atmosphere.

"Enamel" means a coating that cures by chemical cross-linking of its base resin. Enamels can be distinguished from lacquers because enamels are not readily resoluble in their original solvent.

"Enclosed" means to cover any VOL surface that is exposed to the atmosphere.

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"End sealing compound coat" means a compound applied to can ends which functions as a gasket when the end is assembled onto the can.

"Excess Air" means air supplied in addition to the theoretical quantity necessary for complete combustion of all fuel and/or combustible waste material.

"Excessive release" means a discharge of more than 295 g (0.65 lbs) of mercaptans and/or hydrogen sulfide into the atmosphere in any 5 minute period.

"Exterior base coat" means a coating applied to the exterior of a can body, or flat sheet to provide protection to the metal or to provide background for any lithographic or printing operation.

"Exterior end coat" means a coating applied to the exterior end of a can to provide protection to the metal.

"External floating roof" means a cover over an open top storage tank consisting of a double deck or pontoon single deck which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

"Extreme environmental conditions" means exposure to any or all of the following: ambient weather conditions; temperatures consistently above 95°C (203°F); detergents; abrasive and scouring agents; solvents; or corrosive atmospheres.

"Extreme performance coating" means any coating which during intended use is exposed to extreme environmental conditions.

"Fabric coating" means any coating applied on textile fabric. Fabric coating includes the application of coatings by impregnation.

"Fabric coating facility" means a facility that includes one or more fabric coating lines.

"Fabric coating line" means a coating line in which any protective, decorative, or functional coating or reinforcing material is applied on or impregnated into

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a textile fabric.

"Federally enforceable" means all limitations and conditions which are enforceable by the Administrator including those requirements developed pursuant to 40 CFR Parts 60 and 61; requirements within any applicable implementation plan; and any permit requirements established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51 Subpart I and 40 CFR 51.166.

"Final repair coat" means the repainting of any topcoat which is damaged during vehicle assembly.

"Furnace" means the chamber or compartment of a boiler or furnace in which materials are burned, but not the combustion chamber or afterburner of an incinerator.

"Fixed roof tank" means a cylindrical shell with a permanently affixed roof.

"Flexographic printing" means the application of words, designs, and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is raised above the printing roll and the image carrier is made of elastomeric materials.

"Flexographic printing line" means a printing line in which each roll printer uses a roll with raised areas for applying an image such as words, designs, or pictures to a substrate. The image carrier on the roll is made of rubber or other elastomeric material.

"Floating roof" means a roof on a stationary tank, reservoir, or other container which moves vertically upon change in volume of the stored material.

"Fountain solution" means the solution which is applied to the image plate to maintain hydrophilic properties of the non-image areas.

"Freeboard Height" means for open top vapor degreasers, the distance from the top of the vapor zone to the top of the degreaser tank, for cold cleaning degreasers, the distance from the solvent to the top of the degreaser tank.

"Fuel combustion emission source" means any furnace,

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boiler, or similar equipment used for the primary purpose of producing heat or power by indirect heat transfer.

"fuel gas system" means a system for collection of refinery fuel gas including, but not limited to, piping for collecting tail gas from various process units, mixing drums and controls, and distribution piping.

"gas service" means that the component contains process fluid that is in the gaseous state at operating conditions.

"gas/gas method" means either of two methods for determining capture which rely only on gas phase measurements. The first method requires construction of a temporary total enclosure (TTE) to ensure that all would be fugitive emissions are measured. The second method uses the building or room which houses the facility as an enclosure. The second method requires that all other VOC sources within the room be shut down while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

"gasoline" means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kPa or greater which is used as a fuel for internal combustion engines.

"gasoline dispensing facility" means any site where gasoline is transferred from a stationary storage tank to a motor vehicle gasoline tank used to provide fuel to the engine of that motor vehicle.

"green tire spraying" means the spraying of green tires, both inside and outside, with release compounds which help remove air from the tire during molding and prevent the tire from sticking to the mold after curing.

"green tires" means assembled tires before molding and curing have occurred.

"gross vehicle weight" means the manufacturer's gross weight rating for the individual vehicle.

"gross vehicle weight rating" means the value specified

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by the manufacturer as the maximum design loaded weight of a single vehicle.

"heated airless spray" means an airless spray coating method in which the coating is heated just prior to application.

"heatset" means a class of web offset lithography which requires a heated dryer to solidify the printing inks.

"heatset web offset lithographic printing line" means a lithographic printing line in which a blanket cylinder is used to transfer ink from a plate cylinder to a substrate continuously fed from a roll or an extension process and an oven is used to solidify the printing inks.

"heavy liquid" means liquid with a true vapor pressure of less than 0.3 kPa (0.04 psi) at 294.3°K (70°F) established in a standard reference text or as determined by ASTM method D2879-86 (incorporated by reference in Section 219.112) or which has 0.1 Reid Vapor Pressure as determined by ASTM method D323-82 (incorporated by reference in Section 219.112) or which when distilled requires a temperature of 421.95°K (300°F) or greater to recover 10 percent of the liquid as determined by ASTM method D86-82 (incorporated by reference in Section 219.112).

"heavy off-highway vehicle products" means, for the purpose of Subpart F of this Part, heavy construction mining, farming, or material handling equipment, heavy industrial engines, diesel electric locomotives and associated power equipment, and the components of such equipment or engines.

"heavy off-highway vehicle products coating facility" means a facility that includes one or more heavy off-highway vehicle products coating line(s).

"heavy off-highway vehicle products coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of heavy off-highway vehicle products.

"high temperature aluminum coating" means a coating that is certified to withstand a temperature of 537.8°K (1000°F) for 24 hours.

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"Hood" means a partial enclosure or canopy for capturing and exhausting, by means of a draft, the organic vapors or other fumes rising from a coating process or other source.

"Hood-capture efficiency" means the emissions from a process which are captured by the hood and directed into a control device, expressed as a percentage of all emissions.

"Hot well" means the reservoir of a condensing unit receiving the condensate from a barometric condenser.

"Hour" means a block period of 60 minutes (e.g., 1:00am to 2:00am).

"In-process tank" means a container used for mixing, blending, heating, reacting, holding, crystallizing, evaporating or cleaning operations in the manufacture of pharmaceuticals.

"In-situ Sampling Systems" means nonextractive samplers or in-line samplers.

"In vacuum service" means, for the purpose of Subpart Q of this part, equipment which is operating at an internal pressure that is at least 5 kPa (0.73 psia) below ambient pressure.

"Incinerator" means a combustion apparatus in which refuse is burned.

"Indirect heat transfer" means transfer of heat in such a way that the source of heat does not come into direct contact with process materials.

"Ink" means a coating used in printing, impressing, or transferring an image onto a substrate.

"Interior body spray coat" means a coating applied by spray to the interior of a can body.

"Internal floating roof" means a cover or roof in a fixed roof tank which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

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"Isaquaquers" means any clear wood finishes formulated with nitrocellulose or synthetic resins to dry by evaporation without chemical reaction, including clear laquer sanding sealers.

"Large appliance" means any residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dishwashers, trash compactors, air conditioners, and other similar products.

"Large appliance coating" means any coating applied to the component metal parts (including, but not limited to, doors, cases, lids, panels, and interior support parts) of residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dishwashers, trash compactors, air conditioners, and other similar products.

"Large appliance coating facility" means a facility that includes one or more large appliance coating line(s).

"Large appliance coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of large appliances.

"Light liquid" means VOM in the liquid state which is not defined as heavy liquid.

"Light duty truck" means any motor vehicle rated at 3,050 kg gross vehicle weight or less, designed mainly to transport property.

"Liquid/gas method" means either of two methods for determining capture which require both gas phase and liquid phase measurements and analysis. The first method requires construction of a TTE. The second method uses the building or room which houses the facility as an enclosure. The second method requires that all other VOM sources within the room be shut down while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

"Liquid Mounted Seal" means a primary seal mounted in continuous contact with the liquid between the tank wall and the floating roof edge around the

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circumference of the roof.

"Liquid service" means that the equipment or component contains process fluid that is in a liquid state at operating conditions.

"Liquids Dripping" means any visible leaking from a seal including spraying, misting, clouding and ice formation.

"Lithographic printing line" means a printing line, except that the substrate is not necessarily fed from an unwinding roll, in which each roll printer uses a roll where both the image and non-image areas are essentially in the same plane (planographic).

"Low Solvent Coating" means a coating which contains less organic solvent than the conventional coatings used by the industry. Low solvent coatings include water borne, higher solids, electro-deposition and powder coatings.

"Magnet wire" means aluminum or copper wire formed into an electromagnetic coil.

"Magnet wire coating" means any coating or electrically insulating varnish or enamel applied to magnet wire.

"Magnet wire coating facility" means a facility that includes one or more magnet wire coating line(s).

"Magnet wire coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of a magnet wire.

"Malfunction" means any sudden and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

"Manufacturing process" means a method whereby a process emission source or series of process emission sources is used to raw materials, feed stocks, subassemblies, or other components into a product, either for sale or for use as a component in a

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subsequent manufacturing process.

"Material Recovery Section" means any equipment designed to transport and recover styrene monomer and other impurities from other products and by-products in a polystyrene plant, including but not limited to the styrene devolatilizer unit and styrene recovery unit.

"Maximum theoretical emissions" means the quantity of volatile organic material emissions that theoretically could be emitted by a stationary source before add-on controls based on the design capacity or maximum production capacity of the source and 8760 hours per year. The design capacity or maximum production capacity includes use of coating(s) or ink(s) with the highest volatile organic material content actually used in practice by the source. Provided, however, the Agency shall, when appropriate, and upon request by the permit applicant, limit the "maximum theoretical emission" of a source by the imposition of conditions in a federally enforceable operating permit for such source. Such conditions shall not be inconsistent with requirement of the Clean Air Act, as amended, or any applicable requirements established by the Board. Such conditions shall be established in place of design capacity or maximum production capacity in calculating the "maximum theoretical emissions" for such source and may include, among other things, the establishment of production limitations, capacity limitations, emission limitations, or limitations on the volatile organic material content of coatings or inks, or the hours of operation of any emission source, or a combination of any such limitations.

Production or capacity limitations shall be established on basis of no longer than one month except in those cases where a limit spanning a longer period of time is appropriate. In such cases, a rolling limit shall be employed. Any production or capacity limitations shall be verified through appropriate recordkeeping. (Board Note: The USEPA may deem operating permits which do not conform to the operating permit program requirements and the requirements of USMCA's underlying regulations, including the requirement that limitations be quantifiable and enforceable as a practical matter, not federally enforceable.)

"Metal furniture" means a furniture piece including

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but not limited to, tables, chairs, waste baskets, beds, desks, lockers, benches, shelving, file cabinets, lamps, and room dividers.

"Metal furniture coating" means any non-adhesive coating applied to any furniture piece made of metal or any metal part which is or will be assembled with other metal, wood, fabric, plastic or glass parts to form a furniture piece including, but not limited to, tables, chairs, waste baskets, beds, desks, lockers, benches, shelving, file cabinets, lamps, and room dividers. This definition shall not apply to any coating line coating miscellaneous metal parts or products.

"Metal furniture coating facility" means a facility that includes one or more metal furniture coating line(s).

"Metal furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of metal furniture.

"Metallic shoe type seal" means a primary or secondary seal constructed of metal sheets (sheets) which are joined together to form a ring, springs, or levers which attach the shoes to the floating roof and hold the shoes against the tank wall, and a coated fabric which is suspended from the shoes to the floating roof.

"Miscellaneous fabricated product manufacturing process" means:

A manufacturing process involving one or more of the following applications, including any drying and curing of formulations, and capable of emitting VOM:

- Adhesives to fabricate or assemble components or products
- Asphalt solutions to paper or fiberboard
- Asphalt to paper or felt
- Coatings or dye to leather
- Coatings to plastic

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Coatings to rubber or glass

Disinfectant material to manufactured items

Plastic foam scrap or "fluff" from the manufacture of foam containers and packaging material to form resin pallets

Resin solutions to fiber substances

Viseose solutions for food casings

The storage and handling of formulations associated with the process described above, and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

"Miscellaneous formulation manufacturing process" means:

A manufacturing process which compounds one or more of the following and is capable of emitting VOM:

Adhesives

Asphalt solutions

Gaulks, sealants, or waterproofing agents

Coatings, other than paint and ink

Concrete curing compounds

Dyes

Friction materials and compounds

Resin solutions

Rubber solutions

Viseose solutions

The storage and handling of formulations associated with the process described above, and the use and handling of organic liquids and other

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substances for clean-up operations associated with the process described in this definition.

"Miscellaneous metal parts or products" means any metal part or metal product, even if attached to or combined with a nonmetal part or product, except cans, coils, metal furniture, large appliances, magnet wire, automobiles, ships, and airplane bodies.

"Miscellaneous metal parts and products coating" means any coating applied to any metal part or metal product, even if attached to or combined with a nonmetal part or product, except cans, coils, metal furniture, large appliances, and magnet wire. Prime coat, prime surface coat, topcoat, and final repair coat for automobiles and light-duty trucks are not miscellaneous metal parts and products coatings. However, underbody anti-chip (e.g., underbody plastisol) automobile and light-duty truck coatings are miscellaneous metal parts and products coatings. Also, automobile or light-duty truck refinishing coatings, coatings applied to the exterior of marine vessels, coatings applied to the exterior of airplanes, and the customized topcoating of automobiles and trucks if production is less than 35 vehicles per day are not miscellaneous metal parts and products coatings.

"Miscellaneous metal parts or products coating facility" means a facility that includes one or more miscellaneous metal parts or products coating lines.

"Miscellaneous metal parts or products coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of miscellaneous metal parts or products.

"Miscellaneous organic chemical manufacturing process" means:

A manufacturing process which produces, by chemical reaction, one or more of the following organic compounds or mixtures of organic compounds and which is capable of emitting VOCs:

Chemicals listed in Appendix A of this Part
Chlorinated and sulfonated compounds

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cosmetic, detergent, soap, or surfactant intermediaries or specialties and products

Disinfectants

Feed additives

Oil and petroleum product additives

Plasticizers

Resins or polymers

Rubber additives

Sweeteners

Varnishes

The storage and handling of formulations associated with the process described above and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

"Monitor" means to measure and record.

"Multiple package coating" means a coating made from more than one different ingredient which must be mixed prior to using and has a limited pot life due to the chemical reaction which occurs upon mixing.

"No-Detectable Volatile Organic Material Emissions" means a discharge of volatile organic material into the atmosphere as indicated by an instrument reading of less than 500 ppm above background as determined in accordance with 40 CFR 60.485(e).

"Offset" means, with respect to printing and publishing operations, use of a blanket cylinder to transfer ink from the plate cylinder to the surface to be printed.

"Opaque stains" means all stains that are not semi-transparent stains.

"Open top vapor degreasing" means the batch process of cleaning and removing soils from surfaces by condensing hot solvent vapor on the colder metal parts.

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"Open-ended valve" means any valve, except pressure relief devices, having one side of the valve in contact with process fluid and one side open to the atmosphere, either directly or through open piping.

"Operator of Gasoline Dispensing Facility" means any person who is the lessee of or operates, controls or supervises a gasoline dispensing facility.

"Organic compound" means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate.

"Organic material" means any chemical compound of carbon including diluents and thinners which are liquids at standard conditions and which are used as dispersers, viscosity reducers, or cleaning agents, but excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbonic acid, metallic carbide, metallic carbonates, and ammonium carbonate.

"Organic vapor" means the gaseous phase of an organic material or a mixture of organic materials present in the atmosphere.

"Oven" means a chamber within which heat is used for one or more of the following purposes: dry, bake, cure, or polymerize a coating or ink.

"Overall control" means the product of the capture efficiency and the control device efficiency.

"Overvarnish" means a transparent coating applied directly over ink or coating.

"Owner of Gasoline Dispensing Facility" means any person who has legal or equitable title to a stationary storage tank at a gasoline dispensing facility.

"Owner or operator" means any person who owns, operates, leases, controls, or supervises an emission source or air pollution control equipment.

"Packaging rotogravure printing" means rotogravure printing upon paper, paper board, metal foil, plastic film, and other substrates, which are, in subsequent

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operations, formed into packaging products or labels for articles to be sold.

"Packaging rotogravure printing line" means a rotogravure printing line in which surface coatings are applied to paper, paperboard, foil, film, or other substrates which are to be used to produce containers, packaging products, or labels for articles.

"Paint manufacturing plant" means a plant that mixes, blends, or compounds enamels, lacquers, sealers, shellacs, stains, varnishes, or pigmented surface coatings.

"Paper coating" means any coating applied on paper, plastic film, or metallic foil to make certain products, including (but not limited to) adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper, or pressure sensitive tapes. Paper coating includes the application of coatings by impregnation and/or saturation.

"Paper coating facility" means a facility that includes one or more paper coating lines.

"Paper coating line" means a coating line in which any protective, decorative, or functional coating is applied on, saturated into, or impregnated into paper, plastic film, or metallic foil to make certain products, including (but not limited to) adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper, and pressure sensitive tapes.

"Parts per million (volume)" means a volume/volume ratio which expresses the volumetric concentration of gaseous air contaminant in a million unit volume of gas.

"Person" means any individual, corporation, partnership, association, State, municipality, political subdivision of a State, any agency, department, or instrumentality of the United States, and any officer, agent, or employee thereof.

"Petroleum" means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.

"Petroleum liquid" means crude oil, condensate or any

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finished or intermediate product manufactured at a petroleum refinery, but not including Number 2 through Number 6 fuel oils as specified in ASTM D-396-69, gas turbine fuel oils Numbers 2-GT through 4-GT as specified in ASTM D-2880-71 or diesel fuel oils Numbers 2-D and 4-D, as specified in ASTM D-975-68.

"Petroleum refinery" means any facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation of petroleum, or through redistillation, cracking, or reforming of unfinished petroleum derivatives.

"Pharmaceutical" means any compound or mixture, other than food, used in the prevention, diagnosis, alleviation, treatment, or cure of disease in human and animal.

"Pharmaceutical coating operation" means a device in which a coating is applied to a pharmaceutical, including air drying or curing of the coating.

"Photochemically Reactive Material" means any organic material with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified below or the composition of which exceeds any of the following individual percentage composition limitations. Whenever any photochemically reactive material or any constituent of any organic material may be classified from its chemical structure into more than one of the above groups of organic materials it shall be considered as a member of the most reactive group, that is, the group having the least allowable percent of the total organic materials.

A combination of hydrocarbons, alcohols, aldehydes, esters, ethers or ketones having an olefinic or cyclo-olefinic types of unsaturation: 5 percent. This definition does not apply to perchloroethylene or trichloroethylene.

A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.

A combination of ethylbenzene, ketones having branched hydrocarbon structures or toluene: 20

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percent.

"pigmented coatings" means opaque coatings containing binders and colored pigments which are formulated to conceal the wood surface either as an undercoat or topcoat.

"plant" means all of the pollutant-emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control), except the activities of any marine vessel. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same "Major Group" (i.e., which have the same two-digit code) as described in the "Standard Industrial Classification Manual, 1987" (incorporated by reference in Section 219.112).

"plastizers" means a substance added to a polymer composition to soften and add flexibility to the product.

"Pneumatic Rubber Tire Manufacture" means the production of pneumatic rubber tires with a bead diameter up to but not including 20.0 inches and cross section dimension up to 12.8 inches, but not including specialty tires for antique or other vehicles when produced on equipment separate from normal production lines for passenger or truck type tires.

"Polystyrene Plant" means any plant using styrene to manufacture polystyrene resin.

"Polystyrene Resin" means substance consisting of styrene polymer and additives which is manufactured at a polystyrene plant.

"Pressure Release" means the emission of materials resulting from system pressure being greater than set pressure of the pressure relief device.

"Pressure Tank" means a tank in which fluids are stored at a pressure greater than atmospheric pressure.

"Primer Coat" means the first of two or more coatings applied to a surface.

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"prime surfacer coat" means a coating used to touch-up areas on the surface of automobile or light-duty truck bodies not adequately covered by the prime coat before application of the top coat. The prime surfacer coat is applied between the prime coat and topcoat. An anti-chip coating applied to main body parts (e.g., rocker panels, bottom of doors and fenders, and leading edge of roof) is a prime surfacer coat.

"primers" means any coatings formulated and applied to substrates to provide a firm bond between the substrate and subsequent coats.

"printing" means the application of words, designs, and pictures to a substrate using ink.

"printing line" means an operation consisting of a series of one or more roll printers and any associated roll coaters, drying areas, and ovens wherein one or more coatings are applied, dried, and/or cured.

"process" means any stationary emission source other than a fuel combustion emission source or an incinerator.

"process unit" means components assembled to produce, as intermediate or final products, one or more of the chemicals listed in 35 Ill. Adm. Code 219 Appendix A. A process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

"process unit shutdown" means a work practice or operational procedure that stops production from a process unit or part of a process unit. An unscheduled work practice or operational procedure that stops production from a process unit or part of a process unit for less than 24 hours is not a process unit shutdown. The use of spare components and technically feasible bypassing of components without stopping production is not a process unit shutdown.

"production equipment exhaust system" means a system for collecting and directing into the atmosphere emissions of volatile organic material from reactors, centrifuges, and other process emission sources.

"publication rotogravure printing line" means a

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"rotogravure printing line in which coatings are applied to paper which is subsequently formed into books, magazines, catalogues, brochures, directories, newspaper supplements, or other types of printed material.

"purged Process Fluid" means liquid or vapor from a process unit that contains volatile organic material and that results from flushing or cleaning the sample line(s) of a process unit so that an uncontaminated sample may then be taken for testing or analysis.

"reactor" means a vat, vessel, or other device in which chemical reactions take place.

"reasonably Available Control Technology (RACT)" means the lowest emission limitation that an emission source is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility.

"refiner" means any person who owns, leases, operates, controls, or supervises a refinery.

"refinery Fuel Gas" means any gas which is generated by a petroleum refinery process unit and which is combusted at the refinery, including any gaseous mixture of natural gas and fuel gas.

"refinery unit, process unit or unit" means a set of components which are a part of a basic process operation such as distillation, hydrotreating, cracking, or reforming of hydrocarbons.

"refrigerated condenser" means a surface condenser in which the coolant supplied to the condenser has been cooled by a mechanical device, other than by a cooling tower or evaporative spray cooling, such as refrigeration unit or steam chiller unit.

"reid vapor pressure" means the standardized measure of the vapor pressure of a liquid in pounds per square inch absolute (psia) at 100°F (37.8°C).

"repair coatings" means coatings used to correct imperfections or damage to furniture surface.

"repaired" means, for the purpose of Subpart Q of this

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Part, that equipment component has been adjusted, or otherwise altered, to eliminate a leak.

"Residual Fuel Oil" means fuel oils of grade No. 4, 5 and 6 as specified in detailed requirements for fuel oils A.S.T.M. D-396-69 (1971).

"Retail Outlet" means any gasoline dispensing facility at which gasoline is sold or offered for sale for use in motor vehicles.

"Roll coater" means an apparatus in which a uniform layer of coating is applied by means of one or more rolls across the entire width of a moving substrate.

"Roll printer" means an apparatus used in the application of words, designs, and pictures to a substrate, usually by means of one or more rolls each with only partial coverage.

"Roll printing" means the application of words, designs, and pictures to a substrate usually by means of a series of hard rubber or metal rolls each with only partial coverage.

"Roller coating" means a method of applying a coating to a sheet or strip in which the coating is transferred by a roller or series of rollers.

"Rolling limit" means that a limit or limitation must not exceed an annual limit rolled on a basis of at most a month monthly basis; that is, for example, a monthly production or capacity level must be determined for each parameter subject to a production or capacity limitation and added to the eleven prior monthly levels for monthly comparison with the annual limit.

"Rotogravure printing" means the application of words, designs, and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is recessed relative to the non-image area.

"Rotogravure printing line" means a printing line in which each roll printer uses a roll with recessed areas for applying an image to a substrate.

"Safety relief valve" means a valve which is normally closed and which is designed to open in order to

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relieve excessive pressures within a vessel or pipe.

"Sanding sealers" means any coatings formulated for and applied to bare wood for sanding and to seal the wood for subsequent application of varnish. To be considered a sanding sealer a coating must be clearly labelled as such.

"Sealer" means a coating containing binders which seals wood prior to the application of the subsequent coatings.

"Sensor" means a device that measures a physical quantity or the change in a physical quantity such as temperature, pressure, flow rate, pH, or liquid level.

"Semi-transparent stains" means stains containing dyes or semi-transparent pigments which are formulated to enhance wood grain and change the color of the surface but not to conceal the surface, including, but not limited to, sap stain, toner, non-grain raising stains, pad stain, or spatter stain.

"Set of safety relief valves" means one or more safety relief valves designed to open in order to relieve excessive pressures in the same vessel or pipe.

"Sheet basecoat" means a coating applied to metal when the metal is in sheet form to serve as either the exterior or interior of a can for either two-piece or three-piece cans.

"Side seam spray coat" means a coating applied to the seam of a three-piece can.

"Single coat" means one coating application applied to a metal surface.

"Solvent" means a liquid substance that is used to dissolve or dilute another substance.

"Solvent cleaning" means the process of cleaning soils from surfaces by cold cleaning, open top vapor degreasing, or conveyorised degreasing.

"Specified air contaminant" means any air contaminant as to which this Part contains emission standards or other specific limitations.

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"Splash loading" means a method of loading a tank, railroad tank car, tank truck, or trailer by use of other than a submerged loading pipe.

"Stack" means a flue or conduit, free-standing or with exhaust port above the roof of the building on which it is mounted, by which air contaminants are emitted into the atmosphere.

"Standard conditions" means a temperature of 70°F and a pressure of 14.7 psia.

"Standard cubic foot (scf)" means the volume of one cubic foot of gas at standard conditions.

"Standard Industrial Classification Manual" means the Standard Industrial Classification Manual (1987), Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402 (incorporated by reference in Section 219.112).

"Start-up" means the setting in operation of an emission source for any purpose.

"Stationary emission source" means an emission source which is not self-propelled.

"Storage tank or storage vessel" means any stationary tank, reservoir or container used for the storage of VOL.

"Styrene Devolatilizer Unit" means equipment performing the function of separating unreacted styrene monomer and other volatile components from polystyrene in a vacuum devolatilizer.

"Styrene Recovery Unit" means equipment performing the function of separating styrene monomer from other less volatile components of the styrene devolatilizer unit's output. The separated styrene monomer may be reused as a raw material in the polystyrene plant.

"Submerged loading pipe" means any discharge pipe or nozzle which meets either of the following conditions:

Where the tank is filled from the top, the end of the discharge pipe or nozzle must be totally submerged when the liquid level is 15 cm (6 in.)

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above the bottom of the tank.

Where the tank is filled from the side, the discharge pipe or nozzle must be totally submerged when the liquid level is 46 cm (18 in.) above the bottom of the tank.

"Substrate" means the surface onto which a coating is applied or into which a coating is impregnated.

"Surface condenser" means a device which removes a substance from a gas stream by reducing the temperature of the stream, without direct contact between the coolant and the stream.

"Synthetic Organic Chemical or Polymer Manufacturing Plant" means a plant that produces, as intermediates or final products, one or more of the chemicals or polymers listed in 35 Ill. Adm. Code 219 Appendix A.

"Tablet coating operation" means a pharmaceutical coating operation in which tablets are coated.

"Thirty-day rolling average" means any value arithmetically averaged over any consecutive thirty-days.

"Three-piece can" means a can which is made from a rectangular sheet and two circular ends.

"Topcoat" means a coating applied in a multiple coat operation other than prime coat, final repair coat, or prime surfacer coat.

"Topcoat operation" means all topcoat spray booths, flash-off areas, and bake ovens at a facility which are used to apply, dry, or cure the final coatings (except final off-line repair) on components of automobile or light-duty truck bodies.

"Transfer efficiency" means the ratio of the amount of coating solids deposited onto a part or product to the total amount of coating solids used.

"Tread End Cementing" means the application of a solvent-based cement to the tire tread ends.

"True vapor pressure" means the equilibrium partial

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pressure exerted by a volatile organic liquid as determined in accordance with methods described in American Petroleum Institute Bulletin 2517, "Evaporation Loss from Floating Roof Tanks," second edition, February 1980 (incorporated by reference in Section 219.112).

"Turnaround" means the procedure of shutting down an operating refinery unit, emptying gaseous and liquid contents to do inspection, maintenance and repair work, and putting the unit back into production.

"Two-piece can" means a can which is drawn from a shallow cup and requires only one end to be attached.

"Undercoaters" means any coatings formulated for and applied to substrates to provide a smooth surface for subsequent coats.

"Undertread Cementing" means the application of a solvent-based cement to the underside of a tire tread.

Unregulated safety relief valve" means a safety relief valve which cannot be actuated by a means other than high pressure in the pipe or vessel which it protects.

"Vacuum producing system" means any reciprocating, rotary, or centrifugal blower or compressor or any jet ejector or device that creates suction from a pressure below atmospheric and discharges against a greater pressure.

"Valves not externally regulated" means valves that have no external controls, such as in-line check valves.

"Vapor balance system" means any combination of pipes or hoses which creates a closed system between the vapor spaces of an unloading tank and a receiving tank such that vapors displaced from the receiving tank are transferred to the tank being unloaded.

"Vapor collection system" means all piping, seals, hoses, connections, pressure vacuum vents, and other possible sources between the gasoline delivery vessel and the vapor processing unit and/or the storage tanks and vapor holder.

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"Vapor control system" means any system that limits or prevents release to the atmosphere of organic material in the vapors displaced from a tank during the transfer of gasoline.

"Vapor Mounted Primary Seal" means a primary seal mounted with an air space bounded by the bottom of the primary seal, the tank wall, the liquid surface and the floating roof.

"Vapor recovery system" means a vapor gathering system capable of collecting all VOM vapors and gases discharged from the storage tank and a vapor disposal system capable of processing such VOM vapors and gases so as to prevent their emission to the atmosphere.

"Vehicle" means a device by which any person or property may be propelled, moved, or drawn upon a highway, excepting a device moved exclusively by human power or used exclusively upon stationary rails or tracks.

"Vinyl coating" means any topcoat or printing ink applied to vinyl coated fabric or vinyl sheets. Vinyl coating does not include plastisols.

"Vinyl coating facility" means a facility that includes one or more vinyl coating line(s).

"Vinyl coating line" means a coating line in which any protective, decorative or functional coating is applied onto vinyl coated fabric or vinyl sheets.

"Volatile organic liquid (VOL)" means any substance which is liquid at storage conditions and which contains volatile organic compounds.

"Volatile organic material (VOM) or volatile organic compound (VOC)" means "volatile organic material (VOM) or volatile organic compound (VOC)", as that term is defined in 35 Ill. Adm. Code Part 211.

"Volatile Petroleum Liquid" means any petroleum liquid with a true vapor pressure that is greater than 17.5 psia (78 millimeters of mercury) at standard conditions.

"Wash-coat" means a coating containing binders which

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~~seals wood surfaces, prevents undesired staining, and controls penetration.~~

~~"wastewater (oil/water) separator" means any device or piece of equipment which utilizes the difference in density between oil and water to remove oil and associated chemicals from water, or any device, such as a flocculation tank or a clarifier, which removes petroleum derived compounds from waste water.~~

~~"web" means a substrate which is printed in continuous roll-fed presses.~~

~~"wood furniture" means room furnishings including cabinets (kitchen, bath, and vanity), tables, chairs, beds, sofas, shutters, art objects, wood paneling, wood flooring, and any other coated furnishings made of wood, wood composition, or fabricated wood materials.~~

~~"wood furniture coating facility" means a facility that includes one or more wood furniture coating line(s).~~

~~"wood furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied onto wood furniture.~~

~~"woodworking" means the shaping, sawing, grinding, smoothing, polishing, and making into products of any form or shape of wood.~~

The definitions of 35 Ill. Adm. Code 211 apply to this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.105 Test Methods and Procedures

a) Coatings, Inks and Fountain Solutions

The following test methods and procedures shall be used to determine compliance of as applied coatings, inks, and fountain solutions with the limitations set forth in this Part.

- 1) Sampling: Samples collected for analyses shall be one-liter taken into a one-liter container at a location and time such that the sample will be representative of the coating as applied (i.e.,

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the sample shall include any dilution solvent or other VOM added during the manufacturing process). The container must be tightly sealed immediately after the sample is taken. Any solvent or other VOM added after the sample is taken must be measured and accounted for in the calculations in subsection (a)(3) of this Section. For multiple package coatings, separate samples of each component shall be obtained. A mixed sample shall not be obtained as it will cure in the container. Sampling procedures shall follow the guidelines presented in:

- A) ASTM D3925-81(1985) standard practice for sampling liquid paints and related pigment coating. This practice is incorporated by reference in Section 219.112 of this Part.
- B) ASTM E300-86 standard practice for sampling industrial chemicals. This practice is incorporated by reference in Section 219.112 of this Part.

- 2) Analyses: The applicable analytical methods specified below shall be used to determine the composition of coatings, inks, or fountain solutions as applied.

- A) Method 24 of 40 CFR 60, Appendix A, incorporated by reference in Section 219.112 of this Part, shall be used to determine the VOM content and density of coatings. If it is demonstrated to the satisfaction of the Agency and the USEPA that plant coating formulation data are equivalent to Method 24 results, formulation data may be used. In the event of any inconsistency between a Method 24 test and a facility's formulation data, the Method 24 test will govern.
- B) Method 24A of 40 CFR Part 60, Appendix A, incorporated by reference in Section 219.112, shall be used to determine the VOM content and density of rotogravure printing inks and related coatings. If it is demonstrated to the satisfaction of the Agency and USEPA that the plant coating formulation data are equivalent to Method 24A results, formulation

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data may be used. In the event of any inconsistency between a Method 24A test and a facility's formulation data, the Method 24A test will govern.

- c) The following ASTM methods are the analytical procedures for determining VOM:

- i) ASTM D1475-85: Standard test method for density of paint, varnish, lacquer and related products. This test method is incorporated by reference in Section 219.112 of this Part.
- ii) ASTM D2369-87: Standard test method for volatile content of a coating. This test method is incorporated by reference in Section 219.112 of this Part.
- iii) ASTM D3792-86: Standard test method for water content of water-reducible paints by direct injection into a gas chromatograph. This test method is incorporated by reference in Section 219.112 of this Part.
- iv) ASTM D4017-81(1987): Standard test method for water content in paints and paint materials by the Karl Fischer method. This test method is incorporated by reference in Section 219.112 of this Part.
- v) ASTM D4457-85: Standard test method for determination of dichloromethane and 1,1,1, trichloroethane in paints and coatings by direct injection into a gas chromatograph. (The procedure delineated above can be used to develop protocols for any compounds specifically exempted from the definition of VOM.) This test method is incorporated by reference in Section 219.112 of this Part.
- vi) ASTM D2697-86: Standard test method for volume non-volatile matter in clear or pigmented coatings. This test method is

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incorporated by reference in Section 219.112 of this Part.

- vii) ASTM D3980-87: Standard practice for interlaboratory testing of paint and related materials. This practice is incorporated by reference in Section 219.112 of this Part.

viii) ASTM E180-85: Standard practice for determining the precision data of ASTM methods for analysis of and testing of industrial chemicals. This practice is incorporated by reference in Section 219.112 of this Part.

- ix) ASTM D2372-85: Standard method of separation of vehicle from solvent-reducible paints. This method is incorporated by reference in Section 219.112 of this Part.

- D) Use of an adaptation to any of the analytical methods specified in subsections (a)(2)(A), (B), and (C) of this Section may not be used unless approved by the Agency and USEPA. An owner or operator must submit sufficient documentation for the Agency and USEPA to find that the analytical methods specified in subsections (a)(2)(A), (B), and (C) of this Section will yield inaccurate results and that the proposed adaptation is appropriate.

- 3) Calculations: Calculations for determining the VOM content, water content and the content of any compounds which are specifically exempted from the definition of VOM of coatings, inks and fountain solutions as applied shall follow the guidance provided in the following documents:-

- A) "A Guide for Surface Coating Calculation", EPA-340/1-86-016, incorporated by reference in Section 219.112 of this Part.
- B) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink and Other Coatings" (revised June 1986), EPA-450/3-84-019, incorporated by reference

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in Section 219.112 of this Part.

- c) "A Guide for Graphic Arts Calculations", August 1988, EPA-340/1-88-003, incorporated by reference in Section 219.112 of this Part.

b) Automobile or Light-Duty Truck Test Protocol

- 1) The protocol for testing, including determining the transfer efficiency, of coating applicators, at primer surfacer operations and topcoat seating operations at an automobile or light-duty truck assembly facility source shall follow the procedure in: "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations" ("topcoat protocol"), December 1988, EPA-450/3-88-018, incorporated by reference in Section 219.112 of this Part.

- 2) Prior to testing pursuant to the topcoat protocol, the owner or operator of a coating operation subject to the topcoat or primer surfacer limit in Sections 219.204(a)(2) or 219.204(a)(3) shall submit a detailed testing proposal specifying the method by which testing will be conducted and how compliance will be demonstrated consistent with the topcoat protocol. The proposal shall include, at a minimum, a comprehensive plan (including a rationale) for determining the transfer efficiency at each booth through the use of in-plant or pilot testing, the selection of coatings to be tested (for the purpose of determining transfer efficiency) including the rationale for coating groupings, the method for determining the analytic VOM content of as applied coatings and the formulation solvent content of as applied coatings, and a description of the records of coating VOM content as applied and coating's usage which will be kept to demonstrate compliance. Upon approval of the proposal by the Agency and USEPA, the compliance demonstration for a coating line may proceed.

c) Capture System Efficiency Test Protocols

- 1) Applicability

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The requirements of subsection (c)(2) of this Section shall apply to all VOM emitting processes emission units employing capture equipment (e.g., hoods, ducts), except those cases noted below.

- A) If a source ~~installs an~~ emission unit is equipped with (or uses) a permanent total enclosure (PTE) that meets Agency and USEPA specifications, and which directs all VOM to a control device, then the source emission unit is exempted from the requirements described in subsection (c)(2) of this Section. The Agency and USEPA specifications to determine whether a structure is considered a PTE are given in Procedure T of Appendix B of this Part. In this instance, the capture efficiency is assumed to be 100 percent and the source emission unit is still required to measure control efficiency using appropriate test methods as specified in subsection (d) of this Section.

- B) If a source ~~uses an~~ emission unit is equipped with (or uses) a control device designed to collect and recover VOM (e.g., carbon adsorber), an explicit measurement of capture efficiency is not necessary provided that the conditions given below are met. The overall control of the system can be determined by directly comparing the input liquid VOM to the recovered liquid VOM. The general procedure for use in this situation is given in 40 CFR 60.433, incorporated by reference in Section 219.112 of this Part, with the following additional restrictions:

- i) ~~The source must be able to equate solvent usage with solvent recovery on a 24-hour (daily) basis, rather than a 30-day weighted average, within 72 hours following the 24-hour period. In addition, one of the following two criteria must be met: Unless otherwise specified in subsection (c)(1)(B)(ii) below, the source owner or operator shall obtain data each operating day for the solvent usage and solvent recovery to permit the determination of the~~

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solvent recovery efficiency of the system each operating day using a 7-day rolling period. The recovery efficiency for each operating day is computed as the ratio of the total recovered solvent for that day and the most recent prior 6 operating days to the total solvent usage for the same 7-day period used for the recovered solvent, rather than a 30-day weighted average as given in 40 CFR 60.433 incorporated by reference in Section 219.112 of this Part. This ratio shall be expressed as a percentage. The ratio shall be computed within 72 hours following each 7-day period. A source that believes that the 7-day rolling period is not appropriate may use an alternative multi-day rolling period not to exceed 30 days, with the approval of the Agency and USEPA. In addition, the criteria in subsection (c)(1)(B)(iii) or subsection (c)(1)(B)(iv) below must be met.

ii)

The owner or operator of the source engaged in printing located at 350 E. 22nd Street, Chicago, Illinois, shall obtain data each operating day for the solvent usage and solvent recovery to permit the determination of the solvent recovery efficiency of the system each operating day using a 14-day rolling period. The recovery efficiency for each operating day is computed as the ratio of the total recovered solvent for that day and the most recent prior 13 operating days to the total solvent usage for the same 14-day period used for the recovered solvent, rather than a 30-day weighted average as given in 40 CFR 60.433, incorporated by reference at Section 219.112 of this Part. This ratio shall be expressed as a percentage. The ratio shall be computed within 17 days following each 14-day period. In addition, the criteria in subsection (c)(1)(B)(iii) or subsection (c)(1)(B)(iv) below must be met.

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~~ii)iii)~~ The solvent recovery system (i.e., capture and control system) must be dedicated to a single coating line, printing line, or other discrete activity that by itself is subject to an applicable VOM emission standard, ~~process line (e.g., one process line venting to a carbon adsorber system) or~~

~~iii)iv)~~

If the solvent recovery system controls more than one coating line, printing line or other discrete activity that by itself is subject to an applicable VOM emission standard, the overall control (i.e., the total recovered VOM divided by the sum of liquid VOM input from all lines and other activities venting to the control system) must meet or exceed the most stringent standard applicable to any line or other discrete activity venting to the control system. ~~multiple process lines, then the source must be able to demonstrate that the overall control (i.e., the total recovered solvent VOM divided by the sum of liquid VOM input to all process lines venting to the control system) meets or exceeds the most stringent standard applicable for any process line venting to the control system.~~

2)

Specific Requirements

The capture efficiency of ~~a process line~~ an emission unit shall be measured using one of the four protocols given below. Any error margin associated with a test protocol may not be incorporated into the results of a capture efficiency test. If these techniques are not suitable for a particular process, then the source may use an alternative capture efficiency protocol may be used, provided that the alternative protocol is approved by the Agency and approved by the USEPA as a SIP revision.

- A) Gas/gas method using temporary total enclosure (TTE). The Agency and USEPA specifications to determine whether a

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temporary enclosure is considered a TTE are given in Procedure T of Appendix B of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = Gw / (Gw + Fw)$$

where:

CE = capture efficiency, decimal fraction;

Gw = mass of VOM captured and delivered to control device using a TTE;

Fw = mass of fugitive VOM that escapes from a TTE.

Procedure G.2 contained in Appendix B of this Part is used to obtain Gw. Procedure F.1 in Appendix B of this Part is used to obtain Fw.

B) Liquid/gas method using TTE. The Agency and USEPA specifications to determine whether a temporary enclosure is considered a TTE are given in Procedure T of Appendix B of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = (L - Fw) / L$$

where:

CE = capture efficiency, decimal fraction;

L = mass of liquid VOM input to process emission unit;

Fw = mass of fugitive VOM that escapes from a TTE.

Procedure L contained in Appendix B of this Part is used to obtain L. Procedure F.1 in Appendix B of this Part is used to obtain Fw.

C) Gas/gas method using the building or room (building or room enclosure), in which the

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affected coating line, printing line or other ~~sewage~~ emission unit is located, as the enclosure and in which "F" and "G" are measured while operating only the affected line or ~~facility~~ emission unit. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

$$CE = G / (G + FB)$$

where:

CE = capture efficiency, decimal fraction;

G = mass of VOM captured and delivered to control device;

FB = mass of fugitive VOM that escapes from building enclosure.

Procedure G.2 contained in Appendix B of this Part is used to obtain G. Procedure F.2 in Appendix B of this Part is used to obtain FB.

D)

Liquid/gas method using the building or room (building or room enclosure), in which the affected coating line, printing line or other ~~sewage~~ emission unit is located, as the enclosure and in which "F" and "L" are measured while operating only the affected line ~~facility~~ emission unit. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

$$CE = (L - FB) / L$$

where:

CE = capture efficiency, decimal fraction;

L = mass of liquid VOM input to process

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emission unit:

F_B = mass of fugitive VOM that escapes from building enclosure.

Procedure L contained in Appendix B of this Part is used to obtain L. Procedure F.2 in Appendix B of this Part is used to obtain F_B .

3) Recordkeeping and Reporting

A) All affected facilities owners or operator affected by this subsection must maintain a copy of the capture efficiency protocol submitted to the Agency and the USEPA on file. All results of the appropriate test methods and capture efficiency protocols must be reported to the Agency within sixty (60) days of the test date. A copy of the results must be kept on file with the source for a period of three (3) years.

B) If any changes are made to capture or control equipment, then the source is required to notify the Agency and the USEPA of these changes and a new test may be required by the Agency or the USEPA.

C) The source must notify the Agency 30 days prior to performing any capture efficiency or control test. At that time, the source must notify the Agency which capture efficiency protocol and control device test methods will be used.

D) Sources utilizing a PTE must demonstrate that this enclosure meets the requirement given in Procedure T (in Appendix B of this Part) for a PTE during any testing of their control device.

E) Sources utilizing a TTE must demonstrate that their TTE meets the requirements given in Procedure T (in Appendix B of this Part) for a TTE during testing of their control device. The source must also provide documentation that the quality assurance criteria for a TTE

have been achieved.

d) Control Device Efficiency Testing and Monitoring

1) The control device efficiency shall be determined by simultaneously measuring the inlet and outlet gas phase VOM concentrations and gas volumetric flow rates in accordance with the gas phase test methods specified in subsection (f) of this Section.

2) Any owner or operator:

A) That uses an afterburner or carbon adsorber to comply with any Section of this Part 219 shall use Agency and USEPA approved continuous monitoring equipment which is installed, calibrated, maintained, and operated according to vendor specifications at all times the afterburner or carbon adsorber is in use except as provided in subsection (d)(3) of this Section. The continuous monitoring equipment must monitor the following parameters:

A) i) For each afterburner which does not have a catalyst bed, the combustion chamber temperature of each afterburner.

B) ii) For each afterburner which has a catalyst bed, commonly known as a catalytic afterburner, the temperature rise across each catalytic afterburner bed or VOM concentration of exhaust.

C) iii) For each carbon adsorber, the VOM concentration of each carbon adsorption bed exhaust or the exhaust of the bed next in sequence to be desorbed.

D) Of an automobile or light-duty truck, primer surfacer operation or topcoat operation subject to subsection (d)(2)(A) above, shall keep a separate record of the following data for the control devices, unless alternative provisions are set forth in a permit pursuant to Title V of the Clean Air Act:

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i) For thermal afterburners for which combustion chamber temperature is monitored, all 3-hour periods of operation in which the average combustion temperature was more than 28°C (50°F) below the average combustion temperature measured during the most recent performance test that demonstrated that the operation was in compliance.

ii) For catalytic afterburners for which temperature rise is monitored, all 3-hour periods of operation in which the average gas temperature before the catalyst bed is more than 28°C (50°F) below the average gas temperature immediately before the catalyst bed measured during the most recent performance test that demonstrated that the operation was in compliance.

iii) For catalytic afterburners and carbon adsorbers for which VOM concentration is monitored, all 3-hour periods of operation during which the average VOM concentration or the reading of organics in the exhaust gases is more than 20 percent greater than the average exhaust gas concentration or reading measured by the organic monitoring device during the most recent determination of the recovery efficiency of a carbon adsorber or performance test for a catalytic afterburner, which determination or test that demonstrated that the operation was in compliance.

3) An owner or operator that uses a carbon adsorber to comply with Section 219.401 of this Part may operate the adsorber during periods of monitoring equipment malfunction, provided that:

A) The owner or operator notifies in writing the Agency and USEPA, within 10 days after the conclusion of any 72 hour period during which the adsorber is operated and the associated monitoring equipment is not operational, of

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such monitoring equipment failure and provides the duration of the malfunction, a description of the repairs made to the equipment, and the total to date of all hours in the calendar year during which the adsorber was operated and the associated monitoring equipment was not operational;

B) During such period of malfunction the adsorber is operated using timed sequences as the basis for periodic regeneration of the adsorber;

C) The period of such adsorber operation does not exceed 360 hours in any calendar year without the approval of the Agency and USEPA; and

D) The total of all hours in the calendar year during which the adsorber was operated and the associated monitoring equipment was not operational shall be reported, in writing, to the Agency and USEPA by January 31st of the following calendar year.

e) Overall Efficiency

1) The overall efficiency of the emission control system shall be determined as the product of the capture system efficiency and the control device efficiency or by the liquid/liquid test protocol as specified in 40 CFR 60.433, incorporated by reference in Section 219.112 of this Part, (and revised by subsection (c)(1)(B) of this Section) for each solvent recovery system. In those cases in which the overall efficiency is being determined for an entire line, the capture efficiency used to calculate the product of the capture and control efficiency is the total capture efficiency over the entire line.

2) For coating lines which are both chosen by the owner or operator to comply with Section 219.207(a), (d), (e), (f), or (g) of this Part by the alternative in Section 219.207(b)(2) of this Part and meet the criteria allowing them to comply with Section 219.207 instead of Section 219.204 of this Part, the overall efficiency of the capture

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system and control device, as determined by the test methods and procedures specified in subsections (c), (d) and (e)(1) of this Section, shall be no less than the equivalent overall efficiency which shall be calculated by the following equation:

$$E = ([VOM_1 - VOM_2] / VOM_1) \times 100$$

where:

E = Equivalent overall efficiency of the capture system and control device as a percentage₇₁

VOM_1 = Actual VOM content of a coating, or the daily-weighted average VOM content of two or more coatings (if more than one coating is used), as applied to the subject coating line as determined by the applicable test methods and procedures specified in subsection (a)(4)(i) of this Part in units of kg VOM/l (lb VOM/gal) of coating solids as applied₇₁

VOM_2 = The VOM emission limit specified in ~~Section 219.207(a) or (b) Sections 219.204 or 219.205~~ of this Part in units of kg VOM/l (lb VOM/gal) of coating solids as applied.

f) Volatile Organic Material Gas Phase Source Test Methods
The methods in 40 CFR Part 60, Appendix A, incorporated by reference in Section 219.112 of this Part delineated below shall be used to determine control device efficiencies.

- 1) 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, incorporated by reference in Section 219.112 of this Part as appropriate to the conditions at the site, shall be used to determine VOM concentration. Method selection shall be based on consideration of the diversity of organic species present and their total concentration and on

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consideration of the potential presence of interfering gases. Except as indicated in subsections (f)(1)(A) and (B) below, the test shall consist of three separate runs, each lasting a minimum of 60 min, unless the Agency and the USEPA determine that process variables dictate shorter sampling times.

A) When the method is to be used to determine the efficiency of a carbon adsorption system with a common exhaust stack for all the individual adsorber vessels, the test shall consist of three separate runs, each coinciding with one or more complete sequences through the adsorption cycles of all the individual adsorber vessels.

B) When the method is to be used to determine the efficiency of a carbon adsorption system with individual exhaust stacks for each adsorber vessel, each adsorber vessel shall be tested individually. The test for each adsorber vessel shall consist of three separate runs. Each run shall coincide with one or more complete adsorption cycles.

- 2) 40 CFR Part 60, Appendix A, Method 1 or 1A, incorporated by reference in Section 219.112 of this Part, shall be used for sample and velocity traverses.
- 3) 40 CFR Part 60, Appendix A, Method 2, 2A, 2C or 2D, incorporated by reference in Section 219.112 of this Part, shall be used for velocity and volumetric flow rates.
- 4) 40 CFR Part 60, Appendix A, Method 3, incorporated by reference in Section 219.112 of this Part, shall be used for gas analysis.
- 5) 40 CFR Part 60, Appendix A, Method 4, incorporated by reference in Section 219.112 of this Part, shall be used for stack gas moisture.
- 6) 40 CFR Part 60, Appendix A, Methods 2, 2A, 2C, 2D, 3 and 4, incorporated by reference in Section 219.112 of this Part, shall be performed, as applicable, at least twice during each test run.

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7) Use of an adaptation to any of the test methods specified in subsections (f)(1), (2), (3), (4), (5) and (6) of this Section may not be used unless approved by the Agency and the USEPA on a case by case basis. An owner or operator must submit sufficient documentation for the Agency and the USEPA to find that the test methods specified in subsections (f)(1), (2), (3), (4), (5) and (6) of this Section will yield inaccurate results and that the proposed adaptation is appropriate.

g) Leak Detection Methods for Volatile Organic Material Owners or operators required by this Part to carry out a leak detection monitoring program shall comply with the following requirements:

- 1) Leak Detection Monitoring
 - A) Monitoring shall comply with 40 CFR 60, Appendix A, Method 21, incorporated by reference in Section 219.112 of this Part.
 - B) The detection instrument shall meet the performance criteria of Method 21.
 - C) The instrument shall be calibrated before use on each day of its use by the methods specified in Method 21.
 - D) Calibration gases shall be:
 - i) Zero air (less than 10ppm of hydrocarbon in air); and
 - ii) A mixture of methane or n-hexane and air at a concentration of approximately, but no less than, 10,000 ppm methane or n-hexane.
 - E) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21.
- 2) When equipment is tested for compliance with no detectable emissions as required, the test shall comply with the following requirements:

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A) The requirements of subsections (g)(1)(A) through (g)(1)(E) of this Section above shall apply.

B) The background level shall be determined as set forth in Method 21.

3) Leak detection tests shall be performed consistent with:

- A) "APTI Course SI 417 controlling Volatile Organic Compound Emissions from Leaking Process Equipment", EPA-450/2-82-015, incorporated by reference in Section 219.112 of this Part.
- B) "Portable Instrument User's Manual for Monitoring VOCM Sources", EPA-340/1-86-015, incorporated by reference in Section 219.112 of this Part.
- C) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOCM and VHAP", EPA-450/3-88-010, incorporated by reference in Section 219.112 of this Part.
- D) "Petroleum Refinery Enforcement Manual", EPA-340/1-80-008, incorporated by reference in Section 219.112 of this Part.

h) Bulk Gasoline Delivery System Test Protocol

- 1) The method for determining the emissions of gasoline from a vapor recovery system are delineated in 40 CFR 60, Subpart XX, Section 60.503, incorporated by reference in Section 219.112 of this Part.
- 2) Other tests shall be performed consistent with:
 - A) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", EPA-340/1-80-012, incorporated by reference in Section 219.112 of this Part.
 - B) "Control of Hydrocarbons from Tank Truck

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Gasoline Loading Terminals: Appendix A", EPA-450/2-77-026, incorporated by reference in Section 219.112 of this Part.

- i) Notwithstanding other requirements of this Part, upon request of the Agency where it is necessary to demonstrate compliance, an owner or operator of an emission ~~source~~ unit which is subject to this Part shall, at his own expense, conduct tests in accordance with the applicable test methods and procedures specific in this Part. Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

ii) Stage II Gasoline Vapor Recovery Test Methods

The methods for determining the acceptable performance of Stage II Gasoline Vapor Recovery System are delineated in "Technical Guidance-Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities," found at EPA 450/3-91-022b and incorporated by reference in Section 219.112 of this Part. Specifically, the test methods are as follows:

- 1) Dynamic Backpressure Test is a test procedure used to determine the pressure drop (flow resistance) through balance vapor collection and control systems (including nozzles, vapor hoses, swivels, dispenser piping, and underground piping) at prescribed flow rates.
- 2) Pressure Decay/Leak Test is a test procedure used to quantify the vapor tightness of a vapor collection and control system installed at gasoline dispensing facilities.
- 3) Liquid Blockage Test is a test procedure used to detect low points in any vapor collection and control system where condensate may accumulate.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.106 Compliance Dates

Compliance with the requirements of all rules is required by May 15, 1992, consistent with the provisions of Section 219.103 of this Part.

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(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.107 Operation of Afterburners

The operation of any natural gas fired afterburner and capture system used to comply with this Part is not required during the period of November 1 of any year to April 1 of the following year provided that the operation of such devices is not required for purposes of occupational safety or health, or for the control of toxic substances, odor nuisances, or other regulated pollutants.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.109 Vapor Pressure of Volatile Organic Liquids

- a) If the VOL consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112 of this Part) or the vapor pressure may be obtained from a ~~published source~~ publication such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the VOL is a mixture, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112 of this Part) or by the following equation:

$$P_{\text{vol}} = \sum_{i=1}^n P_i X_i$$

where:

P_{vol} = Total vapor pressure of the mixture

n = Number of components in the mixture

i = Subscript denoting an individual component

P_i = Vapor pressure of a component determined

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in accordance with Subpart A of this part subsection (a) of this Section.

X_i = Mole fraction of the component in the total mixture.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 219.110 Vapor Pressure of Organic Material or Solvents

- a) If the organic material or solvent consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112 of this Part) or the vapor pressure may be obtained from a published source publication such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the organic material or solvent is in a mixture made up of both organic material compounds and compounds which are not organic material, the vapor pressure shall be determined by the following equation:

$$P_{om} = \frac{\sum_{i=1}^n P_i X_i}{\sum_{i=1}^n X_i}$$

where:

P_{om} = Total vapor pressure of the portion of the mixture which is composed of organic material_{7,i}

n = Number of organic material components in the mixture_{7,i}

i = Subscript denoting an individual component_{7,i}

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P_i = Vapor pressure of an organic material component determined in accordance with Subpart A of this part subsection (a) of this Section_{7,i}

X_i = Mole fraction of the organic material component of the total mixture.

- c) If the organic material or solvent is in a mixture made up of only organic material compounds, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112 of this Part) or by the above equation.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 219.111 Vapor Pressure of Volatile Organic Material

- a) If the VOM consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112 of this Part) or the vapor pressure may be obtained from a published source publication such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the VOM is in a mixture made up of both VOM compounds and compounds which are not VOM, the vapor pressure shall be determined by the following equation:

$$P_{vom} = \frac{\sum_{i=1}^n P_i X_i}{\sum_{i=1}^n X_i}$$

where:

P_{vom} = Total vapor pressure of the portion of the mixture which is composed of VOM_{7,i}

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- n = Number of VOM components in the mixture_{7,i}
- i = Subscript denoting an individual component_{7,i}
- P_i = Vapor pressure of a VOM component determined in accordance with Subpart A of this Part subsection (a) of this Section_{7,i}
- X_i = Mole fraction of the VOM component of the total mixture.

- c) If the VOM is in a mixture made up of only VOM compounds, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112 of this Part) or by the above equation.

(Source: Amended at ___ Ill. Reg. ___, effective ____)

Section 219.112 Incorporations by Reference

The following materials are incorporated by reference and do not contain any subsequent additions or amendments:

- a) American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103:

- 1) ASTM D2879-86
- 2) ASTM D323-82
- 3) ASTM D86-82
- 4) ASTM D-369-69 (1971)
- 5) ASTM D-396-69
- 6) ASTM D2880-71
- 7) ASTM D-975-68
- 8) ASTM D3925-81 (1985)
- 9) ASTM E300-86
- 10) ASTM D1475-85
- 11) ASTM D2369-87
- 12) ASTM D3792-86
- 13) ASTM D4017-81 (1987)
- 14) ASTM D4457-85
- 15) ASTM D2697-86
- 16) ASTM D3980-87
- 17) ASTM E180-85
- 18) ASTM D2372-85

- 19) ASTM D97-66
- 20) ASTM E-168-87 (1977)
- 21) ASTM E-169-87
- 22) ASTM E-260-91
- 23) ASTM D2504-83
- 24) ASTM D2382-83
- 25) ASTM D323-82 (approved 1982)

- b) Standard Industrial Classification Manual, published by Executive Office of the President, Office of Management and Budget, Washington, D.C., 1987.
- c) American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating Roof Tanks", Second ed., February, 1980.
- d) 40 CFR Part 60 (July 1, 1990~~1991~~) and 40 CFR 60. Appendix A, Method 24 (57 FR 30654, July 10, 1992).
- e) 40 CFR Part 61 (July 1, 1990~~1991~~).
- f) 40 CFR Part 50 (July 1, 1989~~1991~~).
- g) 40 CFR Part 51 (July 1, 1989~~1991~~).
- h) 40 CFR Part 52 (July 1, 1989~~1991~~).
- i) 40 CFR Part 80 (July 1, 1991).
- j) "A Guide for Surface Coating Calculation", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.
- k) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink and Other Coating" (revised June 1986), United States Environmental Protection Agency, Washington D.C., EPA-450/3-84-019.
- l) "A Guide for Graphic Arts Calculations", August 1988, United States Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.
- m) "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", December 1988, United States Environmental Protection Agency, Washington D.C., EPA-450/3-88-018.

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- m) "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-029.
- n) "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", Appendix B, United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051.
- o) "Control of Volatile Organic Compound emissions from Large Petroleum Dry Cleaners", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-82-009.
- g) "APTI Course SI417 Controlling Volatile Organic Compound Emissions from Leaking Process Equipment", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-82-015.
- l) "Portable Instrument User's Manual for Monitoring VOM Sources", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-015.
- s) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOM and VHAP", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-88-010.
- t) "Petroleum Refinery Enforcement Manual", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-008.
- u) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", United States Environmental Protection Agency, Washington, D.C., EPA-340/1-80-012.
- v) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals: Appendix A", United States Environmental Protection Agency, Washington, D.C., EPA-450/2-77-026.
- w) "Technical Guidance-Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities", United States Environmental Protection Agency, Washington, D.C., EPA-450/3-91-022b.

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- x) California Air Resources Board, Compliance Division. Compliance Assistance Program: Gasoline Marketing and Distribution: Gasoline Facilities Phase I & II (October 1988, rev. March 1991) (CARB Manual).

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section 219.121 Storage Containers

No person shall cause or allow the storage of any VOL with a vapor pressure of 17.24 kpa (2.5 psia) or greater at 294.3°K (70°F) or any gaseous organic material in any stationary tank, reservoir or other container of more than 151 cubic meters (40,000 gal) capacity unless such tank, reservoir or other container:

- a) Is a pressure tank capable of withstanding the vapor pressure of such liquid or the pressure of the gas, so as to prevent vapor or gas loss to the atmosphere at all times; or,
- b) Is designed and equipped with one of the following vapor loss control devices:
 - 1) A floating roof which rests on the surface of the VOL and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the VOL has a vapor pressure of 86.19 kpa (12.5 psia) or greater at 294.3°K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.
 - 2) A vapor recovery system consisting of:
 - A) A vapor gathering system capable of collecting 85% or more of the uncontrolled VOM that would be otherwise emitted to the atmosphere; and,
 - B) A vapor disposal system capable of processing such VOM so as to prevent its emission to the atmosphere. No person shall cause or allow the emission of air contaminants into the

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atmosphere from any gauging or sampling devices attached to such tank, reservoir or other container except during sampling.

- 3) Other equipment or means of equal efficiency approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 219.108 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.122 Loading Operations

- a) No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere during the loading of any organic material from the aggregate loading pipes of any loading facility area having through-put of greater than 151 cubic meters per day (40,000 gal/day) into any railroad tank car, tank truck or trailer unless such loading facility area is equipped with submerged loading pipes, submerged fill or a device that is equally effective in controlling emissions and is approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 219.108 of this Part.

- b) No person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 l (250 gal), unless such tank is equipped with a permanent submerged loading pipe, submerged fill or an equivalent device approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 219.108 of this Part, or unless such tank is a pressure tank as described in Section 219.121(a) of this Part or is fitted with a recovery system as described in Section 219.121(b) (2) of this Part.

- c) Exception: If no odor nuisance exists the limitations of this Section shall only apply to the loading of VOL with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F).

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.123 Petroleum Liquid Storage Tanks

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- a) The requirements of subsection (b) of this Section shall not apply to any stationary storage tank:

- 1) Equipped before January 1, 1979 with one of the vapor loss control devices specified in Section 219.121(b) of this Part, except Section 219.121(b) (1) of this Part;
- 2) With a capacity of less than 151.42 cubic meters (40,000 gal);
- 3) With a capacity of less than 1,600 cubic meters (422,400 gal) and used to store produced crude oil and condensate prior to custody transfer;
- 4) With a capacity of less than 1,430 cubic meters (378,000 gal) and used to store produced oil or condensate in crude oil gathering;
- 5) Subject to new source performance standards for storage vessels of petroleum liquid, 35 Ill. Adm. Code 230 40 CFR 60, as regulations promulgated by the U.S. Environmental Protection Agency under Section III of the Clean Air Act (42 USC 7411), as amended. THE PROVISIONS OF SECTION III OF THE CLEAN AIR ACT ... ARE APPLICABLE IN THIS STATE AND ARE ENFORCEABLE UNDER THE ENVIRONMENTAL PROTECTION ACT (Ill. Rev. Stat. 1991, ch. 111 1/2, Par. 1009.1(b)) [415 ILCS 5/9.1(b)1];

- 6) In which volatile petroleum liquid is not stored; or

- 7) Which is a pressure tank as described in Section 219.121(a) of this Part.

- b) Subject to subsection (a) of this Section no owner or operator of a stationary storage tank shall cause or allow the storage of any VOL in the tank unless:

- 1) The tank is equipped with one of the vapor loss control devices specified in Section 219.121(b) of this Part;
- 2) There are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof;

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- 3) All openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:
 - A) The cover, lid or seal is in the closed position at all times except when petroleum liquid is transferred to or from the tank;
 - B) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and
 - C) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting;
- 4) Routine inspections of floating roof seals are conducted through roof hatches once every six months;
- 5) A complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect; and
- 6) A record of the results of each inspection conducted under subsection (b)(4) or (b)(5) of this Section is maintained.
 - c) Owners and operators of petroleum liquid storage tanks were required to have compliance schedules as summarized in ~~Appendix C to~~ 35 Ill Adm. Code ~~215~~ 219. Appendix C.

(Source: Amended at _____, Ill. Reg. _____, effective _____)

Section 219.124 External Floating Roofs

- a) In addition to meeting the requirements of Section 219.123(b) of this Part, no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

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- 1) The tank has been fitted:
 - A) fitted ~~with~~ a continuous secondary seal extending from the floating roof to the tank wall (rim mounted secondary seal), or
 - B) With any other device ~~which controls VOC emissions with an effectiveness equal to or greater than a rim-mounted secondary seal~~ equipment or means of equal efficiency approved by the Agency according to the provisions of 35 Ill. Adm. Code 210. and further processed consistent with Section 219.108 of this Part.
- 2) Each seal closure device meets the following requirements:
 - A) The seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and tank wall; and
 - B) The accumulated area of gaps exceeding 0.32 centimeter (1/8 inch) in width between the secondary seal and the tank wall shall not exceed 21.2 square centimeters per meter of tank diameter (1.0 square inches per foot of tank diameter). Compliance with this requirement shall be determined by:
 - i) Physically measuring the length and width of all gaps around the entire circumference of the secondary seal in each place where a 0.32 cm (0.125 in.) uniform diameter probe passes freely (without forcing or binding against the seal) between the seal and the tank wall; and
 - ii) Summing the area of the individual gaps.
- 3) Emergency roof drains are provided with slotted membrane fabric covers or equivalent covers across at least 90 percent of the area of the opening;
- 4) Openings are equipped with projections into the tank which remain below the liquid surface at all times;

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- 5) Inspections are conducted prior to May 1 of each year to insure compliance with subsection (a) of this Section;
- 6) The secondary seal gap is measured prior to May 1 of each year and within 30 days of a written request to demonstrate compliance with subsection (2)(B) of this Section;
- 7) Records of the types of volatile petroleum liquid stored, the maximum true vapor pressure of the liquid as stored, the results of the inspections and the results of the secondary seal gap measurements are maintained and available to the Agency, upon verbal or written request, at any reasonable time for a minimum of two years after the date on which the record was made.
- b) Subsection (a) above does not apply to any stationary storage tank equipped with an external floating roof:
 - 1) Exempted under Section 219.123(a)(2) through 219.123(a)(6) of this Part;
 - 2) Of welded construction equipped with a metallic type shoe seal having a secondary seal from the top of the shoe seal to the tank wall (shoe-mounted secondary seal);
 - 3) Of welded construction equipped with a metallic type shoe seal, a liquid-mounted foam seal, a liquid-mounted liquid-filled-type seal, or other closure device of equivalent control efficiency approved by the Agency in which a petroleum liquid with a true vapor pressure less than 27.6 kPa (4.0 psia) at 294.3°K (70°F) is stored; or
 - 4) Used to store crude oil with a pour point of 50°F or higher as determined by ASTM Standard D97-66 incorporated by reference in Section 219.112 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.125 Compliance Dates (Repealed)

~~Every owner or operator of an emission source subject to 35-111, Adm. Code 215, Subpart B, as of December 31, 1987 shall have~~

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~~complied with its standards and limitations by December 31, 1987.~~
(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 219.126 Compliance Plan (Repealed)

- a) ~~The owner or operator of an emission source previously subject to Section 215.125 shall have submitted to the Agency a compliance plan as required by 35-111, Adm. Code 201.241, including a project completion schedule where applicable, no later than April 21, 1983.~~
- b) ~~Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source subject to the rules specified in subsection (a) may operate the emission source according to the plan and schedule as submitted.~~
- e) ~~The plan and schedule shall meet the requirements of 35-111, Adm. Code 201.241 including specific interim dates as required in 35-111, Adm. Code 201.242.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

Section 219.141 Separation Operations

- a) No person shall use any single or multiple compartment effluent water separator which receives effluent water containing 757 l/day (200 gal/day) or more of organic material from any equipment processing, refining, treating, storing or handling organic material unless such effluent water separator is equipped with air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. Exception: If no odor nuisance exists the limitations of this subsection shall not apply if the vapor pressure of the organic material is below 17.24 kPa (2.5 psia) at 294.3°K (70°F).

- b) Subsection (a) of this Section shall not apply to water and crude oil separation in the production of Illinois crude oil, if the vapor pressure of such crude oil is less than 34.5 kPa (5 psia).

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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Section 219.143

Vapor Blowdown

No person shall cause or allow the emission of organic material into the atmosphere from any vapor blowdown system or any safety relief valve, except such safety relief valves not capable of causing an excessive release, unless such emission is controlled:

- a) To 10 ppm equivalent methane (molecular weight 16.0) or less; or,
- b) By combustion in a smokeless flare; or,
- c) By other air pollution control equipment approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 219.108 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.144

Safety Relief Valves

Section 219.143 of this Part shall not apply to any set of unregulated safety relief valves capable of causing excessive releases, provided the owner or operator thereof, by October 1, 1972, supplied the Agency with the following:

- a) A historical record of each such set (or, if such records were unavailable, of similar sets which, by virtue of operation under similar circumstances, may reasonably have been presumed to have the same or greater frequency of excessive releases) for a three-year period immediately preceding October 1, 1972, indicating:
 - 1) Dates on which excessive releases occurred from each such set; and,
 - 2) Duration in minutes of each such excessive release; and,
 - 3) Quantities (in pounds) of mercaptans and/or hydrogen sulfide emitted into the atmosphere during each such excessive release.
- b) Proof, using such three-year historical records, that no excessive release is likely to occur from any such set either alone or in combination with such excessive releases from other sets owned or operated by the same

person and located within a ten-mile radius from the center point of any such set, more frequently than 3 times in any 12 month period;

- c) Accurate maintenance records pursuant to the requirements of subsection (a) of this Section; and,
- d) Proof, at three-year intervals, using such three-year historical records, that such set conforms to the requirements of subsection (c) of this Section.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART E: SOLVENT CLEANING

Section 219.181 Solvent Cleaning in General

The requirements of this Subpart shall apply to all cold cleaning, open top vapor degreasing, and conveyORIZED degreasing operations which use volatile organic materials.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.182 Cold Cleaning

- a) Operating Procedures: No person shall operate a cold cleaning degreaser unless:
 - 1) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
 - 2) The cover of the degreaser is closed when parts are not being handled; and
 - 3) Parts are drained until dripping ceases.
- b) Equipment Requirements: No person shall operate a cold cleaning degreaser unless:
 - 1) The degreaser is equipped with a cover which is closed whenever parts are not being handled in the cleaner. The cover shall be designed to be easily operated with one hand or with the mechanical assistance of springs, counter-weights or a powered system if:

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A) The solvent vapor pressure is greater than 2 kPa (15 mmHg or 0.3 psi) measured at 38°C (100°F);

B) The solvent is agitated; or

C) The solvent is heated above ambient room temperature.

2) The degreaser is equipped with a faeilitydevice for draining cleaned parts. The drainage faeilitydevice shall be constructed so that parts are enclosed under the cover while draining unless:

A) The solvent vapor pressure is less than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F); or

B) An internal drainage faeilitydevice cannot be fitted into the cleaning system, in which case the drainage faeilitydevice may be external.

3) The degreaser is equipped with one of the following control devices if the vapor pressure of the solvent is greater than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F) or if the solvent is heated above 50°C (120°F) or its boiling point:

A) A freeboard height of 7/10 of the inside width of the tank or 91 cm (36 in), whichever is less; or

B) Any other equipment or system of equivalent emission control as approved by the Agency and further processed consistent with Section 219.108 of this Part. Such a system may include a water cover, refrigerated chiller or carbon adsorber.

4) A permanent conspicuous label summarizing the operating procedure is affixed to the degreaser; and

5) If a solvent spray is used, the degreaser is equipped with a solid fluid stream spray, rather

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than a fine, atomized or shower spray.

(Source: Amended at _____, Ill. Reg. _____, effective _____)

Section 219.183 Open Top Vapor Degreasing

a) Operating Requirements: No person shall operate an open top vapor degreaser unless:

1) The cover of the degreaser is closed when workloads are not being processed through the degreaser;

2) Solvent carryout emissions are minimized by:

A) Racking parts to allow complete drainage;

B) Moving parts in and out of the degreaser at less than 3.3 m/min (11 ft/min);

C) Holding the parts in the vapor zone until condensation ceases;

D) Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone; and

E) Allowing parts to dry within the degreaser until visually dry.

3) Porous or absorbent materials, such as cloth, leather, wood or rope are not degreased;

4) Less than half of the degreaser's open top area is occupied with a workload;

5) The degreaser is not loaded to the point where the vapor level would drop more than 10 cm (4 in) when the workload is removed from the vapor zone;

6) Spraying is done below the vapor level only;

7) Solvent leaks are repaired immediately;

8) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;

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- 9) Water is not visually detectable in solvent exiting from the water separator; and
- 10) Exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of degreaser open area is not used, unless necessary to meet the requirements of the Occupational Safety and Health Act (29 U.S.C. Section 651 et seq.).

b) Equipment Requirements: No person shall operate an open top vapor degreaser unless:

- 1) The degreaser is equipped with a cover designed to open and close easily without disturbing the vapor zone;
- 2) The degreaser is equipped with the following switches:
 - A) A device which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor level; and
 - B) A device which shuts off the spray pump if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil; and
 - C) A device which shuts off the sump heat source when the vapor level exceeds the design level.
- 3) A permanent conspicuous label summarizing the operating procedure is affixed to the degreaser;
- 4) The degreaser is equipped with one of the following devices:
 - A) A freeboard height of 3/4 of the inside width of the degreaser tank or 91 cm (36 in), whichever is less; and if the degreaser opening is greater than 1 square meter (10.8 ft²), a powered or mechanically assisted cover; or
 - B) Any other equipment or system of equivalent

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emission control as approved by the Agency and further processed consistent with Section 219.108 of this Part. Such equipment or system may include a refrigerated chiller, an enclosed design or a carbon adsorption system.

(Source: Amended at _____, Ill. Reg. _____, effective _____)

Section 219.184 Conveyorized Degreasing

- a) Operating Requirements: No person shall operate a conveyorized degreaser unless:
 - 1) Exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of area of loading and unloading opening is not used, unless necessary to meet the requirements of the Occupational Safety and Health Act (29 U.S.C. Section 651 et seq.);
 - 2) Solvent carryout emissions are minimized by:
 - A) Racking parts for best drainage; and
 - B) Maintaining the vertical conveyor speed at less than 3.3 m/min (11 ft/min);
 - 3) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
 - 4) Solvent leaks are repaired immediately;
 - 5) Water is not visually detectable in solvent exiting from the water separator; and
 - 6) Downtime covers are placed over entrances and exits of conveyorized degreasers immediately after the conveyors and exhausts are shut down and not removed until just before start-up.
- b) Equipment Requirements: No person shall operate a conveyorized degreaser unless:
 - 1) The degreaser is equipped with a drying tunnel, rotating (tumbling) basket or other equipment

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sufficient to prevent cleaned parts from carrying out solvent liquid or vapor;

- 2) The degreaser is equipped with the following switches:

- A) A device~~One~~ which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor level;
- B) A device~~One~~ which shuts off the spray pump or the conveyor if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil; and
- C) A device~~One~~ which shuts off the sump heat source when the vapor level exceeds the design level;

- 3) The degreaser is equipped with openings for entrances and exits that silhouette workloads so that the average clearance between the parts and the edge of the degreaser opening is less than 10 cm (4 in) or less than 10 percent of the width of the opening;

- 4) The degreaser is equipped with downtime covers for closing off entrances and exits when the degreaser is shut down; and

- 5) The degreaser is equipped with one of the following control devices, if the air/vapor interface is larger than 2.0 square meters (21.6 ft²):

- A) A carbon adsorption system with ventilation greater than or equal to 15 cubic meters per minute per square meter (50 cubic feet per minute per square foot) of air/vapor area when downtime covers are open, and exhausting less than 25 ppm of solvent by volume averaged over a complete adsorption cycle; or
- B) Any other equipment or system of equivalent emission control as approved by the Agency, and further processed consistent with Section

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219.108 of this Part. Such equipment or system may include a refrigerated chiller.

(Source: Amended at _____, Ill. Reg. _____, effective _____)

Section 219.185 Compliance Schedule (Repealed)

~~Every owner or operator of an emission source which was previously exempt from the requirements of Subpart E of 35 Ill. Adm. Code 215 (Sections 215.182-215.184) because it satisfied the criteria in either 35 Ill. Adm. Code 215.181(a) or 35 Ill. Adm. Code 215.181(b), shall comply with the requirements of this Subpart on and after a date consistent with Section 219.106. A source which did not satisfy the criteria in either 35 Ill. Adm. Code 215.181(a) or 35 Ill. Adm. Code 215.181(b) shall comply with the requirements of this Subpart upon adoption.~~

(Source: Repealed at _____ Ill. Reg. _____, effective _____)

Section 219.186 Test Methods

The following test methods shall be used to demonstrate compliance with this Subpart:

- a) Vapor pressures shall be determined by using the procedure specified in Section 219.110 of this Part.
- b) Exhaust ventilation rates shall be determined by using the procedures specified in Section 219.105(f)(3) of this Part.
- c) The performance of control devices shall be determined by using the procedures specified in Section 219.105(f) of this Part.

(Source: Amended at _____, Ill. Reg. _____, effective _____)

SUBPART F: COATING OPERATIONS

Section 219.204 Emission Limitations for Manufacturing Plants

Except as provided in Sections 219.205, 219.207 and 219.208 of this Part, no owner or operator of a coating line shall apply at any time any coating in which the VOM content exceeds the following emission limitations for the specified coating. The following emission limitations are expressed in units of VOM per volume of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied at

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each coating applicator, except where noted. Compounds which are specifically exempted from the definition of VOM should be treated as water for the purpose of calculating the "less water" part of the coating composition. Compliance with this Subpart must be demonstrated through the applicable coating analysis test methods and procedures specified in Section 219.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(c) of this Part. (Note: The equation presented in Section 219.206 of this Part shall be used to calculate emission limitations for determining compliance by add-on controls, credits for transfer efficiency, emissions trades and cross-line averaging.) The emission limitations are as follows:

a) Automobile or Light-Duty Truck Coating		
	kg/l	lb/gal
1) Prime coat	0.14	(1.2)
2) Primer surfacer coat	0.341.81	(2.815.1)

(Note: The primer surfacer coat limitation is based upon a transfer efficiency of 30 percent. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a CIP revision in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire primer surfacer operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b) and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 219.205 does not apply to the primer surfacer limitation.)

	kg/l	lb/gal
3) Topcoat	1.81	(15.1)

(Note: The topcoat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average VOM content from the entire topcoat operation (all topcoat

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spray booths, flash-off areas and bake ovens). Compliance shall be demonstrated in accordance with the topcoat protocol for automobiles and light-duty trucks referenced in Section 219.105(b) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and Section 219.205 does not apply to the topcoat limitation.) At least 180 days prior to the initial compliance date, the owner or operator of a coating line subject to the topcoat limitation shall have submitted to the USEPA a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. The proposal shall have included, at a minimum, a comprehensive plan (including a rationale) for determining the transfer efficiency at each booth through the use of in-plant, or pilot testing, the selection of coatings to be tested (for the purpose of determining transfer efficiency) including the rationale for coating groupings, and the method for determining the analytic VOM content of as applied coatings and the formulation solvent content of as applied coatings. Upon approval of the protocol by the USEPA, the source may proceed with the compliance demonstration. Section 219.205 of this Part does not apply to the topcoat limitation.)

	kg/l	lb/gal
4) Final repair coat	0.58	(4.8)
b) Can Coating	kg/l	lb/gal
1) Sheet basecoat and overvarnish	0.34	(2.8)
2) Exterior basecoat and overvarnish	0.34	(2.8)
3) Interior body spray coat	0.51	(4.2)
4) Exterior end coat	0.51	(4.2)
5) Side seam spray coat	0.66	(5.5)
6) End sealing compound coat	0.44	(3.7)

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- c) Paper Coating
- | | |
|------|--------|
| kg/l | lb/gal |
| 0.35 | (2.9) |
- (Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which printing is performed if the paper coating line complies with the emissions limitations in Subpart H: Printing and Publishing, Sections 219.401 through 219.404 of this Part and other approvable requirements.)

- d) Coil Coating
- | | |
|------|--------|
| kg/l | lb/gal |
| 0.31 | (2.6) |
- e) Fabric Coating
- | | |
|------|-------|
| 0.35 | (2.9) |
|------|-------|
- f) Vinyl Coating
- | | |
|------|-------|
| 0.45 | (3.8) |
|------|-------|
- g) Metal Furniture Coating
- | | |
|------|-------|
| 0.36 | (3.0) |
|------|-------|
- h) Large Appliance Coating
- | | |
|------|-------|
| 0.34 | (2.8) |
|------|-------|

(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

- i) Magnet Wire Coating
- | | |
|------|--------|
| kg/l | lb/gal |
| 0.20 | (1.7) |
- j) Miscellaneous Metal Parts and Products Coating
- | | |
|------|--------|
| kg/l | lb/gal |
| 0.52 | (4.3) |
- 1) Clear coating
- | | |
|------|-------|
| 0.42 | (3.5) |
|------|-------|
- 2) Air-dried coating
- | | |
|------|-------|
| 0.42 | (3.5) |
|------|-------|
- 3) Extreme performance coating
- | | |
|------|-------|
| 0.52 | (4.3) |
|------|-------|
- 4) Steel pail and drum interior coating
- | | |
|------|-------|
| 0.36 | (3.0) |
|------|-------|
- 45) All other coatings
- | | |
|------|-------|
| 0.36 | (3.0) |
|------|-------|

- k) Heavy Off-Highway Vehicle Products Coating
- | | |
|------|--------|
| kg/l | lb/gal |
| 0.42 | (3.5) |
- 1) Extreme performance prime coat

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- 2) Extreme performance top-coat (air dried)
- | | |
|------|-------|
| 0.42 | (3.5) |
|------|-------|
- 3) Final repair coat (air dried)
- | | |
|------|-------|
| 0.42 | (3.5) |
|------|-------|

4) All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j) above.

1) Wood Furniture Coating

- | | |
|------|--------|
| kg/l | lb/gal |
| 0.67 | (5.6) |
- 1) Clear topcoat
- | | |
|------|-------|
| 0.56 | (4.7) |
|------|-------|
- 2) Opaque stain
- | | |
|------|-------|
| 0.60 | (5.0) |
|------|-------|
- 3) Pigmented coat
- | | |
|------|-------|
| 0.67 | (5.6) |
|------|-------|
- 4) Repair coat
- | | |
|------|-------|
| 0.67 | (5.6) |
|------|-------|
- 5) Sealer
- | | |
|------|-------|
| 0.79 | (6.6) |
|------|-------|
- 6) Semi-transparent stain
- | | |
|------|-------|
| 0.73 | (6.1) |
|------|-------|
- 7) Wash coat

(Note: An owner or operator of a wood furniture coating operation subject to this Section shall apply all coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray application system, electrostatic spray application system, electrostatic bell or disc-spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, or dip coating application system or high volume low pressure (HVLP) application system.)

(Source: Amended at Ill. Reg. _____, effective _____)

Section 219.205 Daily-Weighted Average Limitations

No owner or operator of a coating line subject to the limitations of Section 219.204 of this Part and complying by means of this section shall operate the subject coating line unless the owner or operator has demonstrated compliance with subsection (a),

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- (b), (c), (d), (e) or (f) of this Section (depending upon the ~~source~~ category of coating) through the applicable coating analysis test methods and procedures specified in Section 219.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(d) of this Part:
- No owner or operator of a coating line subject to only one of the limitations from among Section 219.204(a)(1), ~~(a)(2)~~, (a)(4), (c), (d), (e), (f), (g), (h), or (i) of this Part shall apply coatings on any such coating line, during any day, whose daily-weighted average VOM content exceeds the emission limitation to which the coatings are subject.
 - No owner or operator of a miscellaneous metal parts and products coating line subject to the limitations of Section 219.204(j) of this Part shall apply coatings to miscellaneous metal parts or products on the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section below are met.
 - For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(j) above, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or
 - For each coating line which applies coatings subject to more than one numerical emission limitation ~~from more than one of the four coating categories in Section 219.204(j) above~~, during the same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.
 - No owner or operator of a can coating facility shall be subject to the limitations of Section 219.204(b) of this Part shall operate the subject coating facility using a coating with a VOM content in

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excess of the limitations specified in Section 219.204(b) of this Part unless all of the following requirements are met:

- An alternative daily emission limitation for the can coating operation, i.e. for all the can coating lines at the source, shall be determined according to subsection (c)(2) below. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

$$E_d = \sum_{i=1}^n V_i C_i$$

where:

E_d = Actual VOM emissions for the day in units of kg/day (lbs/day)

i = Subscript denoting a specific coating applied

n = Total number of coatings applied in the can coating operation i.e. all can coating lines at the source

V_i = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

- The alternative daily emission limitation (A_d) shall be determined for the can coating operation, i.e. for all the can coating lines at the source, on a daily basis as follows:

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$$A_d = \sum_{i=1}^n V_i L_i \left(D_i \frac{-C_i}{(D_i - L_i)} \right)$$

where:

A_d = The VOM emissions allowed for the day in units of kg/day (lbs/day) τ_i

i = Subscript denoting a specific coating applied τ_i

n = Total number of surface coatings applied in the can coating operation τ_i

C_i = The VOM content of each surface coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) τ_i

D_i = The density of VOM in each coating applied. For the purposes of calculating A_d , the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM) τ_i

V_i = Volume of each surface coating applied for the day in units of l (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) τ_i

L_i = The VOM emission limitation for each surface coating applied as specified in Section 219.204(b) of this Part in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

d) No owner or operator of a heavy off-highway vehicle products coating line subject to the limitations of

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Section 219.204(k) of this Part shall apply coatings to heavy off-highway vehicle products on the subject coating line unless the requirements of subsection (d)(1) or (d)(2) below are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(k) above, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 219.204(k) above, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986) must be satisfied.

e) No owner or operator of a wood furniture coating line subject to the limitations of Section 219.204(l) of this Part shall apply coatings to wood furniture on the subject coating line unless the requirements of subsection (e)(1) or subsection (e)(2) below, in addition to the requirements specified in the note to Section 219.204(l) of this Part, are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(l) above, during the same day (e.g., all coatings used on the line are subject to 0.67 kg/l [5.6 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 219.204(l) above, during the

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same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986) must be satisfied.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.206 Solids Basis Calculation

Limitations in terms of kg (lbs) of VOM emissions per 1 (gal) of solids as applied at each coating applicator shall be determined by the following equation:

$$S = \frac{C}{1 - (C/D)}$$

where:

S = The limitation on VOM emissions in terms of kg VOM/l (lbs VOM/gal) of solids;
 C = The limitation on VOM emissions in terms of kg/l (lbs/gal) of coating (minus water and any compounds which are specifically excluded from the definition of VOM) specified in Section 219.204-7i

D = The density of VOM in the coating. For the purposes of calculating S, the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM).

(Source: Amended at ___, Ill. Reg. ___, effective ___)

Section 219.207 Alternative Emission Limitations

- a) Any owner or operator of a coating line subject to Section 219.204 of this Part may comply with this Section, rather than with Section 219.204 of this Part, if a capture system and control device are operated at all times the coating line is in operation and the owner or operator demonstrates compliance with subsections (c), (d), (e), (f), (g) or (h) of this Section (depending upon the source category) through the applicable coating analysis and capture system and control device efficiency test methods and procedures

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specified in Section 219.105 of this Part and the recordkeeping and reporting requirements specified in Section 219.211(e) of this Part; and the control device is equipped with the applicable monitoring equipment specified in Section 219.105(d) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use. A capture system and control device, which does not demonstrate compliance with subsection (c), (d), (e), (f), (g) or (h) of this Section may be used as an alternative to compliance with Section 219.204 of this Part only if the alternative is approved by the Agency and approved by the USEPA as a SIP revision.

b) Alternative Add-On Control Methodologies

- 1) The coating line is equipped with a capture system and control device that provides 81 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency, or
- 2) The system used to control VOM from the coating line is demonstrated to have an overall efficiency sufficient to limit VOM emissions to no more than what is allowed under Section 219.204 of this Part. Use of any control system other than an afterburner, carbon adsorption, condensation, or absorption scrubber system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. Baseline transfer efficiencies and transfer efficiency test methods must be approved by the Agency and the USEPA.

Such overall efficiency is to be determined as follows:

- A) Obtain the emission limitation from the appropriate subsection in Section 219.204 of this Part,
- B) Calculate "S" according to the equation in Section 219.206 of this Part,

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- c) ~~e~~calculate the overall efficiency required according to Section 219.105(e) of this Part. For the purposes of calculating this value, according to the equation in Section 219.105(e)(2) of this Part, VOM_1 is equal to the value of "S" as determined above in subsection (b)(2)(B) of this Section.

- c) No owner or operator of a coating line subject to only one of the emission limitations from among Section 219.204(a)(1), ~~(a)(2)~~, (a)(4), (c), (d), (e), (f), (g), (h) or (i) of this Part and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met. No owner or operator of a coating line subject to Section 219.204 (a)(2) or (a)(3) of this Part and equipped with a capture system and control device shall operate the coating line unless the owner or operator demonstrates compliance with the ~~topcoat~~ such limitation in accordance with the topcoat protocol for ~~automobile or light-duty trucks~~ referenced in Section 219.105(b) of this Part.

- d) No owner or operator of a miscellaneous metal parts and products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(f) of this Part (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met.

- e) No owner or operator of a heavy off-highway vehicle products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(k) (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met.

- f) No owner or operator of an existing diesel-electric locomotive coating line which applies one or more

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~~coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(n) (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) are met.~~

- ~~g) f)~~ No owner or operator of a wood furniture coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(l) of this Part (e.g., all coatings used on the line are subject to 0.67 kg/l [5.6 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met. If compliance is achieved by meeting the requirements in subsection (b)(2) of this Section, then the provisions in the note to Section 219.204(l) of this Part must also be met.

- ~~h) g)~~ No owner or operator of a can coating facility line and equipped with a capture system and control device shall operate the subject coating facility line unless the requirements in subsection (h)(1) or (h)(2) below are met.

- 1) An alternative daily emission limitation for the can coating operation, i.e. for all the can coating lines at the source, shall be determined according to Section 219.205(c)(2) of this Part. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:

$$E_d = \sum_{i=1}^n V_i C_i (1-F_i)$$

where:

E_d = Actual VOM emissions for the day in units of kg/day (lbs/day);

i = Subscript denoting the specific coating applied;

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n = Total number of surface coatings as applied in the can coating operation_{7i}

V_i = Volume of each coating as applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)_{7i}

C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)_i

F_i = Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture system and control device.

- 2) The coating line is equipped with a capture system and control device that provide 75 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 219.208 Exemptions From Emission Limitations

- a) Exemptions for all ~~secrecoating~~ categories except wood furniture coating. The limitations of this Subpart shall not apply to coating lines within a ~~facility~~ source, that otherwise would be subject to the same subsection of Section 219.204 (because they belong to the same ~~secrecoating~~ category, e.g. can coating), provided that combined actual emissions of VOM from all lines at the ~~facility~~ source subject to that subsection never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices. (For example, can coating lines within a ~~plant~~ source would not be subject to the limitations of Section

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219.204(b) of this Part if the combined actual emissions of VOM from the can coating lines never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices.) Volatile organic material emissions from heavy off-highway vehicle products coating lines must be combined with VOM emissions from miscellaneous metal parts and products coating lines to determine applicability. Any owner or operator of a coating ~~facility~~ source shall comply with the applicable coating analysis test methods and procedures specified in Section 219.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(a) of this Part if total VOM emissions from the subject coating lines are always less than or equal to 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices and, therefore, are not subject to the limitations of Section 219.204 of this Part. Once a category of coating lines at a ~~facility~~ source is subject to the limitations in Section 219.204 of this Part, the coating lines are always subject to the limitations in Section 219.204 of this Part.

b) Applicability for wood furniture coating

- 1) The limitations of this Subpart shall apply to a ~~plant~~ source's wood furniture coating lines if the ~~plant~~ source contains process emission ~~sources~~ units, not regulated by Subparts B, E, F (excluding Section 219.204(1) of this Part), H (excluding Section 219.405 of this Part), Q, R, S, T (excluding Section 219.486 of this Part), V, X, Y, ~~or~~ Z or BB of this Part, which as a group both:
- A) ~~Have~~ maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- B) ~~are~~ not limited to less than 91 Mg (100 tons) of VOM per calendar year if no air pollution control equipment were used, through production or capacity limitations contained in a federally enforceable ~~construction~~ permit or SIP revision.
- 2) If a ~~plant~~ source ceases to fulfill the criteria of subsection (b)(1) of this Section, the limitations

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of Section 219.204(1) of this Part shall continue to apply to any wood furniture coating line which was ever subject to the limitations of Section 219.204(1) of this Part.

- 3) For the purposes of subsection (b) of this Section, an emission ~~source~~ unit shall be considered regulated by a Subpart if it is subject to the limitations of that Subpart. An emission ~~source~~ unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. ~~its emissions are below the applicability cutoff level or if the source is covered by an exemption.~~

- 4) Any owner or operator of a wood furniture coating line to which the limitations of this Subpart are not applicable due to the criteria in subsection (b) of this Section shall, upon request by the Agency or the USEPA, submit records to the Agency and the USEPA within 30 calendar days from the date of the request that document that the coating line is exempt from the limitations of this Subpart.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.209 Exemption From General Rule on Use of Organic Material

No owner or operator of a coating line subject to the limitations of Section 219.204 of this Part is required to meet the limitations of Subpart G (Section 219.301 or 219.302) of this Part, after the date by which the coating line is required to meet Section 219.204 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.210 Compliance Schedule

Every owner or operator of a coating line (of a type included within Section 219.204 of this Part) shall comply with the requirements of Section 219.204, 219.205, 219.207 or 219.208 and Section 219.211 of this Part in accordance with the appropriate compliance schedule as specified in subsection (a), (b), (c) or (d) below:

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- a) No owner or operator of a coating line which is exempt from the limitations of Section 219.204 of this Part because of the criteria in Section 219.208(a) of this Part shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 219.211(b) of this Part. Wood furniture coating lines are not subject to Section 219.211(b) of this Part.

- b) No owner or operator of a coating line complying by means of Section 219.204 of this Part shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.204 and 219.211(c) of this Part.

- c) No owner or operator of a coating line complying by means of Section 219.205 of this Part shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.205 and 219.211(d) of this Part.

- d) No owner or operator of a coating line complying by means of Section 219.207 of this Part shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.207 and 219.211(e) of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.211 Recordkeeping and Reporting

- a) The VOM content of each coating and the efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 219.105 of this Part to establish the records required under this Section.

- b) Any owner or operator of a coating line which is exempted from the limitations of Section 219.204 of this Part because of Section 219.208(a) of this Part shall comply with the following:

- 1) By a date consistent with Section 219.106 of this Part, the owner or operator of a facility coating

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line or group of coating lines referenced in this subsection (b) of this Section shall certify to the Agency that the ~~facility~~ coating line or group of coating lines is exempt under the provisions of Section 219.208(a) of this Part. Such certification shall include:

- A) A declaration that the ~~facility~~ coating line is exempt from the limitations of Section 219.204 of this Part because of Section 219.208(a) of this Part; and
- B) Calculations which demonstrate that the combined VOM emissions from all the coating line and all other coating lines in the same category at the ~~facility~~ never exceed 6.8 kg (15 lbs) per day before the application of capture systems and control devices. The following equation shall be used to calculate total VOM emissions:

$$T_c = \sum_{j=1}^m \sum_{i=1}^n (A_i B_i);$$

where:

T_c = Total VOM emissions from coating lines at a ~~facility~~ each day before the application of capture systems and control devices in units of kg/day (lbs/day);

m = Number of coating lines at the ~~facility~~ source that otherwise would be subject to the same subsection of Section 219.104 of this Part (because they belong to the same category, e.g., can coating);

j = Subscript denoting an individual coating line;

n = Number of different coatings as applied each day on each coating line at the ~~facility~~;

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- i = Subscript denoting an individual coating;
- A_i = Weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line at the ~~facility~~ in units of kg VOM/l (lbs VOM/gal);
- B_i = Volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line at the ~~facility~~ in units of l/day (gal/day). The instrument or method by which the owner or operator accurately measured or calculated the volume of each coating as applied on each coating line each day shall be described in the certification to the Agency.

- 2) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a ~~facility~~ coating line or group of lines referenced in this subsection shall collect and record all of the following information each day for each coating line and maintain the information at the ~~facility~~ source for a period of three years:
- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- 3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a ~~facility~~ coating line or group of coating lines exempted from the limitations of Section 219.204 of this Part because of Section 219.208(a) of this

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Part shall notify the Agency of any record showing that total VOM emissions from the coating facility line or group of coating lines exceed 6.8 kg (15 lbs) in any day before the application of capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

- c) Any owner or operator of a coating line subject to the limitations of Section 219.204 of this Part other than Section 219.204(a)(2) and (a)(3) and complying by means of Section 219.204 of this Part shall comply with the following:

- 1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance from an existing subject coating line from Section 219.205 or Section 219.207 to Section 219.204 of this Part; the owner or operator of a subject coating line shall certify to the Agency that the coating line will be in compliance with Section 219.204 of this Part on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- C) For coating lines subject to Section 219.204(a)(3) certification shall include:
 - i) The name and identification number of each coating line which will comply by means of Section 219.204(a)(3);
 - ii) The name and identification number of each coating as applied on each coating line.

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- iii) The weight of VOM per volume of each coating as applied on each coating line,
- iv) ~~The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.~~

- v) ~~The method by which the owner or operator will create and maintain records each day as required in subsection (c)(2) below for coating lines subject to Section 219.204(a)(3).~~

- vi) ~~An example format in which the records required in subsection (c)(2) below for coating lines subject to Section 219.204(a)(3).~~

- 2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line subject to the limitations of Section 219.204 and complying by means of Section 219.204 shall collect and record all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- C) For coating lines subject to Section 218.204(a)(3) the owner or operator shall maintain all records necessary to calculate the daily weighted average VOM content from the coating line in accordance with the proposal submitted, and approved by the USEPA, pursuant to Section 218.204(a)(3).
- 3) On and after a date consistent with Section

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219.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 219.204 of this Part shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation, except that any record showing a violation of Section 219.204(a)(3) shall be reported by sending a copy of such record to the Agency within 15 days from the end of the month in which the violation occurred.
- B) At least 30 calendar days before changing the method of compliance with Section 219.204 from Section 219.204 to Section 219.205 or Section 219.207 of this Part, the owner or operator shall comply with all requirements of subsection (d)(1) or (e)(1) below, respectively. Upon changing the method of compliance with Section 219.204 from Section 219.204 to Section 219.205 or Section 219.207 of this Part, the owner or operator shall comply with all requirements of subsection (d) or (e) of this Section, respectively.

e) ~~For coating lines subject to Section 219.204(a)(3), the owner or operator shall notify the Agency of any change to the repealing operation at least 30 days before the change is effected. The Agency shall determine whether or not determines that recertification testing is required, then the owner or operator shall submit a proposal to the Agency to test within 30 days and retest within 30 days of the Agency's approval of the proposal.~~

- d) Any owner or operator of a coating line subject to the limitations of Section 219.204 of this Part and complying by means of Section 219.205 of this Part shall comply with the following:

- 1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing subject coating line from Section

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219.204 or Section 219.207 to Section 219.205 of this Part; the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance with Section 219.205 on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating line which will comply by means of Section 219.205 of this Part.
 - B) The name and identification number of each coating as applied on each coating line.
 - C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
 - D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.
 - E) The method by which the owner or operator will create and maintain records each day as required in subsection (d)(2) of this Section.
 - F) An example of the format in which the records required in subsection (d)(2) of this Section will be kept.
- 2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line subject to the limitations of Section 219.204 and complying by means of Section 219.205 shall collect and record all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:
- A) The name and identification number of each coating as applied on each coating line.

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- B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- C) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 219.104 of this Part.
- 3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:
- A) Any record showing violation of Section 219.205 of this Part shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
 - B) At least 30 calendar days before changing the method of compliance with this subpart from Section 219.205 to Section 219.204 or Section 219.207 of this Part, the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1) of this Section, respectively. Upon changing the method of compliance with this subpart from Section 219.205 to Section 219.204 or Section 219.207 of this Part, the owner or operator shall comply with all requirements of subsection (c) or (e) of this Section, respectively.

e) Any owner or operator of a coating line subject to the limitations of Section 219.207 and complying by means of Section 219.207(c), (d), (e), (f), (g) or (h) of this Part shall comply with the following:

- 1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing coating line from Section 219.204 or Section 219.205 to Section 219.207 of this Part, the owner or operator of the subject coating line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject coating

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line will be in compliance with Section 219.207 of this Part on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date.

- 2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a coating line ~~subject to the limitations of Section 219.207~~ subject and complying by means of Section 219.207(e), (d), (e), (f), (g), or (h) shall collect and record all of the following line and information each day for each coating line and maintain the information at the ~~facility~~ source for a period of three years:
 - A) The weight of VOM per volume of coating solids as applied each day on each coating line, if complying pursuant to Section 219.207(b)(2) of this Part.
 - B) Control device monitoring data.
 - C) A log of operating time for the capture system, control device, monitoring equipment and the associated coating line.
 - D) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- 3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:
 - A) Any record showing violation of Section 219.207 of this Part shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
 - B) At least 30 calendar days before changing the method of compliance with this subpart from Section 219.207 to Section 219.204 or Section 219.205 of this Part, the owner or operator

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duration of any outages.

- 3) On and after a date consistent with Section 219.106 of this Part or on and after the initial start-up date, the owner or operator of a subject coating operation shall determine and record the daily VOM emissions in kg(lbs) per 1 (gal) of coating solids deposited in accordance with the proposal submitted and approved pursuant to Section 219.204(a)(2) or (a)(3) of this Part within 10 days from the end of the month and maintain this information at the source for a period of three years.

- 4) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject coating operation shall notify the Agency in the following instances:

- A) Any record showing a violation of Section 219.204(a)(2) or (a)(3) of this Part shall be reported by sending a copy of such record to the Agency within 15 days from the end of the month in which the violation occurred.
- B) The owner or operator shall notify the Agency of any change to the operation at least 30 days before the change is effected. The Agency shall determine whether or not compliance testing is required. If the Agency determines that compliance testing is required, then the owner or operator shall submit a testing proposal to the Agency within 30 days and test within 30 days of the approval of the proposal by the Agency and USEPA.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART G: USE OF ORGANIC MATERIAL

Section 219.301 Use of Organic Material

No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission sourceunit, except as provided in Sections 219.302, 219.303, 219.304 of this Part and the following exception: If no odor nuisance exists the limitation of this Subpart shall apply

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only to photochemically reactive material.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.302 Alternative Standard

Emissions of organic material in excess of those permitted by Section 219.301 of this Part are allowable if such emissions are controlled by one of the following methods:

- a) Flame, thermal or catalytic incineration so as either to reduce such emissions to 10 ppm equivalent methane (molecular weight 16) or less, or to convert 85 percent of the hydrocarbons to carbon dioxide and water; or,
- b) A vapor recovery system which adsorbs and/or condenses at least 85 percent of the total uncontrolled organic material that would otherwise be emitted to the atmosphere; or,
- c) Any other air pollution control equipment approved by the Agency and approved by the USEPA as a SIP revision capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.303 Fuel Combustion Emission Sourceunits

The provisions of Sections 219.301 and 219.302 of this Part shall not apply to fuel combustion emission sourceunits.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.304 Operations with Compliance Program

The provisions of Sections 219.301 and 219.302 of this Part shall not apply to any owner, operator, user or manufacturer of paint, varnish, lacquer, coatings or printing ink whose compliance program and project completion schedule, as required by 35 Ill. Adm. Code 201, provided for the reduction of organic material used in such process to 20 percent or less of total volume by May 30, 1977.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART H: PRINTING AND PUBLISHING

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Section 219.401

Flexographic and Rotogravure Printing

- a) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line shall apply at any time any coating or ink unless the VOM content does not exceed the limitation specified in either subsection (a)(1) or (a)(2) below. Compliance with this Section must be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 219.105(a) and the recordkeeping and reporting requirements specified in Section 219.404(c) of this Part. As an alternative to compliance with this subsection, a subject printing line may meet the requirements of subsection (b) or (c) below.

1) Forty percent VOM by volume of the coating and ink (minus water and any compounds which are specifically exempted from the definition of VOM), or

2) Twenty-five percent VOM by volume of the volatile content in the coating and ink.

- b) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line shall apply coatings or inks on the subject printing line unless the weighted average, by volume, VOM content of all coatings and inks as applied each day on the subject printing line does not exceed the limitation specified in either subsection (a)(1) (as determined by subsection (b)(1)) or subsection (a)(2) (as determined by subsection (b)(2) of this Section). Compliance with this subsection must be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 219.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 219.404(d) of this Part.

- 1) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation specified in subsection (a)(1) of this Section.

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$$VOM_{0(A)} = \frac{\sum_{i=1}^n C_i L_i (V_a + V_{VOMi})}{\sum_{i=1}^n L_i (V_a + V_{VOMi})}$$

Where:

$VOM_{0(A)}$

= The weighted average VOM content in units of percent VOM by volume of all coatings and inks (minus water and any compounds which are specifically exempted from the definition of VOM) used each day.

i = Subscript denoting a specific coating or ink as applied.

n = The number of different coatings and/or inks as applied each day on a printing line.

C_i = The VOM content in units of percent VOM by volume of each coating or ink as applied (minus water and any compounds which are specifically exempted from the definition of VOM).

L_i = The liquid volume of each coating or ink as applied in units of 1 (gal).

V_a = The volume fraction of solids in each coating or ink as applied.

V_{VOMi} = The volume fraction of VOM in each coating or ink as applied.

- 2) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation specified in subsection (a)(2) of this Section.

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$$VOM_{(0)(B)} = \frac{\sum_{i=1}^n C_i L_i V_{VMi}}{\sum_{i=1}^n L_i V_{VMi}}$$

where:

$VOM_{(0)(B)}$ = The weighted average VOM content in units of percent VOM by volume of the volatile content of all coatings and inks used each day; i

i = Subscript denoting a specific coating or ink as applied; i

n = The number of different coatings and/or inks as applied each day on each printing line; i

C_i = The VOM content in units of percent VOM by volume of the volatile matter in each coating or ink as applied; i

L_i = The liquid volume of each coating or ink as applied in units of 1 (gal); i

V_{VMi} = The volume fraction of volatile matter in each coating or ink as applied.

c) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line equipped with a capture system and control device shall operate the subject printing line unless the owner or operator meets the requirements in subsection (c)(1), (c)(2) or (c)(3) and subsections (c)(4), (c)(5) and (c)(6) below.

1) A carbon adsorption system is used which reduces the captured VOM emissions by at least 90 percent by weight, or

2) An incineration system is used which reduces the captured VOM emissions by at least 90 percent by weight, or

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- 3) An alternative VOM emission reduction system is used which is demonstrated to have at least a 90 percent control device efficiency, approved by the Agency and approved by USEPA as a SIP revision, and
- 4) The printing line is equipped with a capture system and control device that provides an overall reduction in VOM emissions of at least:
 - A) 75 percent where a publication rotogravure printing line is employed, or
 - B) 65 percent where a packaging rotogravure printing line is employed, or
 - C) 60 percent where a flexographic printing line is employed, and
- 5) The control device is equipped with the applicable monitoring equipment specified in Section 219.105(d)(2) of this Part and, except as provided in Section 219.105(d)(3) of this Part, the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use, and
- 6) The capture system and control device are operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this subsection by using the applicable capture system and control device test methods and procedures specified in Section 219.105(c) of this Part through Section 219.105(f) of this Part and by complying with the recordkeeping and reporting requirements specified in Section 219.404(e) of this Part.

(Source: Amended at Ill. Reg. _____, effective _____)
Section 219.402 Applicability

- a) The limitations of Section 219.401 of this Part apply to all flexographic and rotogravure printing lines at a subject facility. All facilities with flexographic and/or rotogravure printing lines are subject facilities unless:

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- 1) Total maximum theoretical emissions of VOM from all flexographic and rotogravure printing line(s) (including solvents used for cleanup operations associated with flexographic and rotogravure printing line(s)) at the facility source never exceed 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices, or
- 2) A federally enforceable construction permit or SIP revision for all flexographic and rotogravure printing line(s) at a facility source requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all flexographic and rotogravure printing line(s) to 90.7 Mg (100 tons) or less per calendar year before the application of capture systems and control devices.
- b) Upon achieving compliance with this Subpart, the emission source is flexographic and rotogravure printing lines are not required to meet Subpart G (Sections 219.301 or 219.302 of this Part). Emission sources Flexographic and rotogravure printing lines exempt from this Subpart are subject to Subpart G (Sections 219.301 or 219.302 of this Part). Rotogravure or flexographic equipment used for both roll printing and paper coating is subject to this Subpart.
- c) Once subject to the limitations of Section 219.401 of this Part, a flexographic or rotogravure printing line is always subject to the limitations of Section 219.401 of this Part.
- d) Any owner or operator of any flexographic or rotogravure printing line that is exempt from the limitations of Section 219.401 of this Part because of the criteria in this Section is subject to the recordkeeping and reporting requirements specified in Section 219.404(b) of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.403 Compliance Schedule

Every owner or operator of a flexographic and/or rotogravure printing line shall comply with the applicable requirements of Section 219.401 and Section 219.404 of this Part in accordance

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with the applicable compliance schedule specified in subsection (a), (b), (c) or (d) below:

- a) No owner or operator of a flexographic or rotogravure printing line which is exempt from the limitations of Section 219.401 of this Part because of the criteria in Section 219.402 of this Part shall operate said printing line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 219.401(a) of this Part and Section 219.404(c) of this Part.
- b) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 219.401(a) of this Part shall operate said printing line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 219.401(a) of this Part and Section 219.404(c) of this Part.
- c) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 219.401(b) of this Part shall operate said printing line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 219.401(b) and Section 219.404(d) of this Part.
- d) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 219.401(c) of this Part shall operate said printing line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 219.401(c) and Section 219.404(e) of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.404 Recordkeeping and Reporting

- a) The VOM content of each coating and ink and the efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 219.105 of this Part to establish the records required under this Section.
- b) Any owner or operator of a printing line which is exempted from the limitations of Section 219.401 of

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of the coating or ink with the highest VOM content as applied each year on the printing line in units of kg VOM/l (lbs VOM/gal) of coating or ink solids₇ and:

B = Total volume of solids for all coatings and inks that can potentially be applied each year on the printing line in units of l/year (gal/year). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each coating and ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency₇

C = Weight of VOM per volume of material for the cleanup material or solvent with the highest VOM content as used each year on the printing line in units of Kg/l (lbs VOM/gal) of such material;

D = The greatest volume of cleanup material or solvent used in any 8-hour period;

F = The highest fraction of cleanup material or solvent which is not recycled or recovered for offsite disposal during any 8-hour period.

2) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a facility referenced in this subsection shall collect and record all of the following information each year for each printing line and maintain the information at the facility₇ for a period of three years:

A) The name and identification number of each coating and ink as applied on each printing line.

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this Part because of the criteria in Section 219.402 of this Part shall comply with the following:

1) By a date consistent with Section 219.106 of this Part, the owner or operator of a facility₇ flexographic and rotogravure printing line to which this subsection is applicable shall certify to the Agency that the facility₇ flexographic and rotogravure printing line is exempt under the provisions of Section 219.402 of this Part. Such certification shall include:

A) A declaration that the facility₇ flexographic and rotogravure printing line is exempt from the limitations of the criteria in Section 219.401 because of Section 219.402 of this Part, and

B) Calculations which demonstrate that total maximum theoretical emissions of VOM from all flexographic and rotogravure printing lines at the facility₇ never exceed 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices. Total maximum theoretical emissions of VOM for a flexographic or rotogravure printing facility₇ is the sum of maximum theoretical emissions of VOM from each flexographic and rotogravure printing line at the facility₇. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year before the application of capture systems and control devices for each flexographic and rotogravure printing line at the facility₇:

$$E_p = A \times B + 1095 (C \times D \times F)$$

where:

E_p = Total maximum theoretical emissions of VOM from one flexographic or rotogravure printing line in units of kg/year (lbs/year)₇

A = Weight of VOM per volume of solids

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- B) The VOM content and the volume of each coating and ink as applied each year on each printing line.
- 3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a facility exempted from the limitations of Section 219.401 of this Part because of the criteria in Section 219.402 of this Part shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all printing lines exceed 90.7 Mg (100 tons) in any calendar year before the application of capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

- c) Any owner or operator of a printing line subject to the limitations of Section 219.401 of this Part and complying by means of Section 219.401(a) of this Part shall comply with the following:

- 1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance from an existing subject printing line from Section 219.401(b) or Section 219.401(c) to Section 219.401(a) of this Part, the owner or operator of a subject printing line shall certify to the Agency that the printing line will be in compliance with Section 219.401(a) of this Part on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating and ink as applied on each printing line.
- B) The VOM content of each coating and ink as applied each day on each printing line.

- 2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 219.401 of this Part and complying by means of Section 219.401(a) of this Part shall collect and record

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all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:

- A) The name and identification number of each coating and ink as applied on each printing line.
- B) The VOM content of each coating and ink as applied each day on each printing line.
- 3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 219.401(a) of this Part shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

- B) At least 30 calendar days before changing the method of compliance with Section 219.401 of this Part from Section 219.401(a) to Section 219.401(b) or (c) of this Part, the owner or operator shall comply with all requirements of subsection (b)(1) or (c) of this Part, the owner or operator shall comply with all requirements of subsection (b)(1) or (c) of this Part, respectively. Upon changing the method of compliance with Section 219.401 of this Part from Section 219.401(a) to Section 219.401(b) or (c) of this Part, the owner or operator shall comply with all requirements of subsection (b)(d) or (c)(e) of this Section, respectively.

- d) Any owner or operator of a printing line subject to the limitations of Section 219.401 of this Part and complying by means of Section 219.401(b) of this Part shall comply with the following:

- 1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing subject printing line from Section 219.401(a) or (c) to Section 219.401(b) of this Part, the owner or operator of the subject printing line shall certify to the Agency that the

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printing line will be in compliance with Section 219.401(b) of this Part on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each printing line which will comply by means of Section 219.401(b) of this Part.
- B) The name and identification number of each coating and ink available for use on each printing line.
- C) The VOM content of each coating and ink as applied each day on each printing line.
- D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating and ink as applied each day on each printing line.
- E) The method by which the owner or operator will create and maintain records each day as required in subsection (b)(2) of this Section.
- F) An example of the format in which the records required in subsection (b)(2) of this Section will be kept.

- 2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 219.401 and complying by means of Section 219.401(b) of this Part shall collect and record all of the following information each day for each printing line and maintain the information at the facility source for a period of three years:

- A) The name and identification number of each coating and ink as applied on each printing line.
- B) The VOM content and the volume of each coating and ink as applied each day on each printing line.

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- C) The daily-weighted average VOM content of all coatings and inks as applied on each printing line.

- 3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 219.401(b) of this Part shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 219.401 of this Part from Section 219.401(b) to Section 219.401(a) or 219.401(c) of this Part, the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1) of this Section, respectively. Upon changing the method of compliance with Section 219.401 of this Part from Section 219.401(b) to Section 219.401(a) or (c) of this Part, the owner or operator shall comply with all requirements of subsection (c) or (e) of this Section, respectively.

- e) Any owner or operator of a printing line subject to the limitations of Section 219.401 of this Part and complying by means of Section 219.401(c) of this Part shall comply with the following:

- 1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from Section 219.401(a) or (b) to Section 219.401(c) of this Part, the owner or operator of the subject printing line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with Section 219.401(c) of this Part on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date.

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Section 219.405 Heatset-Web-Offset Lithographic Printing

a) Applicability

- 1) The limitations of subsection (b) below apply to all heatset-web-offset lithographic printing lines at a subject facility. All facilities sources with heatset-web-offset lithographic printing lines are subject facilities sources unless:

- A) Total maximum theoretical emissions of VOM from all heatset-web-offset lithographic printing lines at the facility source never exceed 90.7 Mg (100 tons) per calendar year in the absence of air pollution control equipment, or
- B) A federally enforceable construction permit or SIP revision for all heatset-web-offset lithographic printing lines(s) at a facility source requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all heatset-web-offset lithographic printing line(s) to 90.7 Mg (100 tons) per calendar year or less in the absence of air pollution control equipment, and

- 2) Any owner or operator of any heatset-web-offset lithographic printing line that is exempt from the limitations in subsection (b) of this Section because of the criteria in subsection (a)(1) of this Section shall be subject to the recordkeeping and reporting requirements in subsection (c)(1) of this Section.

- b) Specific Provisions. No owner or operator of a subject heatset-web-offset printing line may cause or allow the operation of the subject heatset-web-offset printing line unless the owner or operator meets the requirements in subsection (b)(1) or (b)(2) and the requirements in subsections (b)(3) and (b)(4) below.

- 1) An afterburner system is installed and operated that reduces 90 percent of the VOM emissions from the dryer exhaust, or

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- 2) The fountain solution contains no more than 8 percent, by weight, of VOM and a condensation recovery system is installed and operated that removes at least 75 percent of the non-isopropyl alcohol organic materials from the dryer exhaust, and
- 3) The control device is equipped with the applicable monitoring equipment specified in Section 219.105(d)(2) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use, and
- 4) The control device is operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in Section 219.105(a), (d), and (f) of this Part and by complying with the recordkeeping and reporting requirements specified in subsection (c) below.
- c) Recordkeeping and Reporting. The VOM content of each fountain solution and ink and the efficiency of each control device shall be determined by the applicable test methods and procedures specified in Section 219.105 of this Part to establish the records required under this subsection.

- 1) Any owner or operator of a printing line which is exempted from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section shall comply with the following:

- A) By a date consistent with Section 219.106 of this Part, the owner or operator of a facility-heatset-web-offset lithographic printing line to which subsection (c)(1) of this Section is applicable shall certify to the Agency that the facility is heatset-web-offset lithographic printing line exempt under the provisions of subsection (a) of this Section. Such certification shall include:
 - i) A declaration that the facility heatset-

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web-offset lithographic printing line is exempt from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section, and

- ii) Calculations which demonstrate that total maximum theoretical emissions of VOM from all heatset-web-offset lithographic printing lines at the facility source never exceed 90.7 Mg (100 tons) per calendar year before the application of air pollution control equipment. Total maximum theoretical emissions of VOM for a heatset-web-offset lithographic printing facility source is the sum of maximum theoretical emissions of VOM from each heatset-web-offset lithographic printing line at the facility. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year in the absence of air pollution control equipment for each heatset-web-offset lithographic printing line at the facility source.

$$E_p = (A \times B) + \frac{(C \times D) + 1095}{100} (F \times G \times H)$$

where:

- E_p = Total maximum theoretical emissions of VOM from one heatset-web-offset printing line in units of kg/year (lbs/year) τ_i
- A = Weight of VOM per volume of solids of ink with the highest VOM content as applied each year on the printing line in units of kg VOM/l (lbs VOM/gal) of solids τ_i and:
- B = Total volume of solids for all inks that can potentially be

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applied each year on the printing line in units of 1/year (gal/year). The instrument or method by which the owner or operator accurately measured or calculated the volume of each ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency τ_i

C = The weight percent VOM of the fountain solution with the highest VOM content τ_i

D = The total volume of fountain solution that can potentially be used each year on the printing line in units of 1/year (gal/year). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each fountain solution used and the amount that can potentially be used each year on the printing line shall be described in the certification to the Agency τ_i

F = Weight of VOM per volume of material for the cleanup material or solvent with the highest VOM content as used each year on the printing line in units of Kg/l (lbs VOM/gal) of such material.

G = The greatest volume of cleanup material or solvent used in any 8-hour period.

H = The highest fraction of cleanup material or solvent which is not recycled or

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recovered for offsite disposal during any 8-hour period.

B) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a facility heatset-web-offset lithographic printing line to which subsection (c)(1) of this Section is applicable shall collect and record all of the following information each year for each printing line and maintain the information at the facility source for a period of three years:

- i) The name and identification of each fountain solution and ink as applied on each printing line.
- ii) The VOM content and the volume of each fountain solution and ink as applied each year on each printing line.

C) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a facility heatset-web-offset lithographic printing line exempted from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all printing lines exceed 90.7 Mg (100 tons) in any calendar year in the absence of air pollution control equipment by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

2) Any owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(1) of this Section shall comply with the following:

A) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (b)(2) to subsection (b)(1) of this Section; the owner or operator of the

subject printing line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(1) of this Section on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date.

B) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(1) of this Section shall collect and record the following information each day for each printing line and maintain the information at the facility source for a period of three years:

- i) Control device monitoring data.
- ii) A log of operating time for the control device, monitoring equipment and the associated printing line.
- iii) A maintenance log for the control device and monitoring equipment detailing all routine and nonroutine maintenance performed including dates and duration of any outages.

C) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- i) Any record showing violation of subsection (b)(1) of this Section shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- ii) At least 30 calendar days before changing the method of compliance with subsection (b) of this Section from

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subsection (b)(1) to (b)(2) of this Section, the owner or operator shall comply with all requirements of subsection (c)(3)(A) of this Section. Upon changing the method of compliance with subsection (b) from subsection (b)(1) to (b)(2) of this Section, the owner or operator shall comply with all requirements of subsection (c)(3) of this Section.

- 3) Any owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(2) of this Section shall comply with the following:

A) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (b)(1) to (b)(2) of this Section; the owner or operator of the subject printing line shall perform all tests and submit to the Agency and the USEPA the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(2) of this Section on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date.

B) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(2) of this Section shall collect and record the following information each day for each printing line and maintain the information at the facility source for a period of three years:

- 1) The VOM content of the fountain solution used each day on each printing line.
- 1i) A log of operating time for the control

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device and the associated printing line.

iii) A maintenance log for the control device detailing all routine and non-routine maintenance performed including dates and duration of any outages.

- C) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

i) Any record showing violation of subsection (b)(2) of this Section shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

ii) At least 30 calendar days before changing the method of compliance with subsection (b) of this Section from subsection (b)(2) to (b)(1) of this Section, the owner or operator shall comply with all requirements of subsection (c)(2)(A) of this Section. Upon changing the method of compliance with subsection (b) from subsection (b)(2) to (b)(1) of this Section, the owner or operator shall comply with all requirements of subsection (c)(2) of this Section.

- d) Compliance Schedule. Every owner or operator of a heatset-web-offset lithographic printing line shall comply with the applicable requirements of subsections (b) and (c) of this Section in accordance with the applicable compliance schedule specified in subsection (d)(1), (d)(2), or (d)(3) below:

- 1) No owner or operator of a heatset-web-offset lithographic printing line which is exempt from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section shall operate said printing line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with,

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subsection (b)(a)(1) and (c)(1) of this Section.

- 2) No owner or operator of a heatset-web-offset lithographic printing line complying by means of subsection (b)(1) of this Section shall operate said printing line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, subsection (b)(2)(b)(1), (b)(3), (b)(4) and (c)(2) of this Section.
- 3) No owner or operator of a heatset-web-offset lithographic printing line complying by means of subsection (b)(2) of this Section shall operate said printing line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, subsection (b)(2), (b)(3), (b)(4) and (c)(3) of this Section.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART Q: LEAKS FROM SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING EQUIPMENT PLANT

Section 219.421 General Requirements

The owner or operator of a plant which processes more than 3660 mg/yr (4033 tons/year) gaseous and light liquid VOM, and whose components are used to manufacture the synthetic organic chemicals or polymers listed in Appendix A, shall comply with this Subpart. The provisions of this Subpart are applicable to components containing 10 percent or more by weight VOM as determined by ASTM method E-168, E-169 and E-260, incorporated by reference in Section 219.112 of this Part. Those components that are not process unit components are exempt from this Subpart. A component shall be considered to be leaking if the VOM is equal to, or is greater than 10,000 ppmv as methane or hexane as determined by US EPA Reference Method 21, as specified at 40 CFR 60, Appendix A, incorporated by reference in Section 219.112 of this Part, indication of liquids dripping, or indication by a sensor that a seal or barrier fluid system has failed. The provisions of this Subpart are not applicable if the equipment components are used to produce heavy liquid chemicals only from heavy liquid feed or raw materials.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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Section 219.422 Inspection Program Plan for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to Section 219.421 of this Part shall prepare an inspection program plan which contains, at a minimum:

- a) An identification of all components and the period in which each will be monitored pursuant to Section 219.423 of this Part.
- b) The format for the monitoring log required by Section 219.425 of this Part.
- c) A description of the monitoring equipment to be used when complying with Section 219.423 of this Part, and
- d) A description of the methods to be used to identify all pipeline valves, pressure relief valves in gaseous service, all leaking components, and components exempted under Section 219.423(4)(j) of this Part such that they are obvious and can be located by both plant personnel performing monitoring and Agency personnel performing inspections.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.423 Inspection Program for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to this Subpart shall, for the purposes of detecting leaks, conduct a component inspection program using the test methods specified in Method 21, 40 CFR 60, Appendix A (1986), incorporated by reference in Section 219.112 of this Part, consistent with the following provisions:

- a) Test annually those components operated near extreme temperature or pressure such that they would be unsafe to routinely monitor and those components which would require the elevation of monitoring personnel higher than two meters above permanent worker access structures or surfaces.
- b) Test quarterly all other pressure relief valves in gas service, pumps in light liquid service, valves in light liquid service and in gas service, and compressors.
- c) If less than or equal to 2 percent of the valves in light liquid service and in gas service tested pursuant

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to subsection (b) of this Section are found ~~not~~ to leak for five consecutive quarters, no leak tests shall be required for three consecutive quarters. Thereafter, leak tests shall resume for the next quarter. If that test shows less than or equal to 2 percent of the valves in light liquid service and in gas service are leaking, then no tests are required for the next three quarters. If more than 2 percent are leaking, then tests are required for the next five quarters.

- d) Observe visually all pump seals weekly.
- e) Test immediately any pump seal from which liquids are observed dripping.
- f) Test any relief valve within 24 hours after it has vented to the atmosphere.
- g) Routine instrument monitoring of valves which are not externally regulated, flanges, and equipment in heavy liquid service, is not required. However, any valve which is not externally regulated, flange or piece of equipment in heavy liquid service that is found to be leaking on the basis of sight, smell or sound shall be repaired as soon as practicable but no later than 30 days after the leak is found.
- h) Test immediately after repair any component that was found leaking.
- i) Within one hour of its detection, a weatherproof, readily visible tag, in bright colors such as red or yellow, bearing an identification number and the date on which the leak was detected must be affixed on the leaking component and remain in place until the leaking component is repaired.
- j) The following components are exempt from the monitoring requirements in this Section:
 - 1) Any component that is in vacuum service, and
 - 2) Any pressure relief valve that is connected to an operating flare header or vapor recovery device.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.424 Repairing Leaks

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All leaking components must be repaired and retested as soon as practicable but no later than 15 days after the leak is found unless the leaking component cannot be repaired until the process unit is shut down. Records of repairing and retesting must be maintained in accordance with Section 219.425 and 219.426 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.425 Recordkeeping for Leaks

- a) The owner or operator of a synthetic organic chemical or polymer manufacturing plant shall maintain a leaking components monitoring log which shall contain, at a minimum, the following information:

- 1) The name of the process unit where the component is located;
 - 2) The type of component (e.g., valve, seal);
 - 3) The identification number of the component;
 - 4) The date on which a leaking component is discovered;
 - 5) The date on which a leaking component is repaired;
 - 6) The date and instrument reading of the recheck procedure after a leaking component is repaired;
 - 7) A record of the calibration of the monitoring instrument;
 - 8) The identification number of leaking components which cannot be repaired until process unit shutdown; and
 - 9) The total number of valves in light liquid service and in gas service inspected; the total number and the percentage of these valves found leaking during the monitoring period.
- b) Copies of the monitoring log shall be retained by the owner or operator for a minimum of two years after the date on which the record was made or the report was prepared.

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- c) Copies of the monitoring log shall be made available to the Agency, upon verbal or written request, prior to or at the time of inspection pursuant to Section 4(d) of the Environmental Protection Act (Act) (Ill. Rev. Stat. 1999, ch. 111, pars. 1001 et seq.) [415 ILCS 5/1 et seq.] at any reasonable time.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.426 Report for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to Section 219.421 through 219.430 of this Part shall:

- a) Submit quarterly reports to the Agency on or before March 31, June 30, September 30, and December 31 of each year, listing all leaking components identified pursuant to Section 219.423 of this Part but not repaired within 15 days, all leaking components awaiting process unit shutdown, the total number of components inspected, the type of components inspected, and the total number of components found leaking, the total number of valves in light liquid service and in gas service inspected and the number and percentage of valves in light liquid service and in gas service found leaking.

- b) Submit a signed statement with the report attesting that all monitoring and repairs were performed as required under Section 219.421 through 219.427 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.427 Alternative Program for Leaks

The Agency shall approve an alternative program of monitoring, recordkeeping, or reporting to that prescribed in this Subpart upon a demonstration by the owner or operator of such plant that the alternative program will provide plant source personnel and Agency personnel with an equivalent ability to identify and repair leaking components. Any alternative program can be allowed when approved by the Agency and approved by the USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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Section 219.428 Open-Ended Valves

- a) Each open-ended valve shall be equipped with a cap, blind flange, plug, or a second valve, except during operations requiring fluid flow through the open-ended valve.

- b) Each open-ended valve equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.

- c) Components which are open-ended valves and which serve as a sampling connection shall be controlled such that they comply with subsection (c)(1), (c)(2) or (c)(3) below. This requirement does not apply to in-situ sampling systems.+

- 1) A closed purge system or closed vent system shall return purged process fluid to the process line with no detectable volatile organic material emissions to the atmosphere, or

- 2) A closed purge system or closed vent system shall collect and recycle purged process fluid to the process line with no detectable volatile organic material emissions to the atmosphere, or

- 3) Purged process fluid shall be transported to a control device that complies with the requirements of Section 219.429 of this Part. If a container is used to transport purged process fluid to the control device, the container shall be a closed container designed and used to reduce the VOM emissions vented from purged process fluid after transfer to no detectable VOM emissions as determined by USEPA Reference Method 21, as specified in 40 CFR 60, Appendix A (1990 or 1991) incorporated by reference in Section 219.112 of this Part. For purposes of this Section, the phrase "after transfer" shall refer to the time at which the entire amount of purged process fluid resulting from a flushing or cleaning of the sample line enters the container, provided, however, that purged process fluid may be transferred from the initial container to another closed container prior to disposal, e.g., to a bulk waste storage container.

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- d) ~~In-situ sampling systems are exempt from subsection (e).~~

(Source: Amended at _____, Ill. Reg. _____, effective _____)

Section 219.429 Standards for Control Devices

Control devices used to comply with Section 219.428(c) of this Part shall comply with the following:

- a) If the control device is a vapor recovery system (for example, condensers and adsorbers), it shall be designed and operated to recover the volatile organic material emissions vented to it with an efficiency of 95 percent or greater.
- b) If the control device is an enclosed combustion device, it shall be designed and operated to reduce the volatile organic material emissions vented to it with an efficiency of 95 percent or greater, or to provide a minimum residence time of 0.75 seconds at a minimum temperature of 816°C.
- c) If the control device is a flare, it shall:
 - 1) Be designed for and operated with no visible emissions as determined by USEPA Reference Method 22, 40 CFR 60, Appendix A (1986), incorporated by reference in Section 219.112 of this Part, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.
 - 2) Be operated with a pilot flame present at all times and shall be monitored with a thermocouple or any other equivalent device to detect the presence of the pilot flame.
 - 3) Be steam-assisted, air-assisted, or nonassisted.
 - 4) Be used only with the net heating value of the gas being combusted being 11.2 MJ/scm (300 Btu/scf) or greater if the flare is steam-assisted or air-assisted; or with the net heating value of the gas being combusted being 7.45 MJ/scm or greater if the flare is nonassisted. The net heating value of the gas being combusted shall be calculated using the following equation:

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$$H_i = \frac{n}{K \sum_{i=1} C_i H_i}$$

Where:

H_i = Net heating value of the sample in MJ/scm; where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C \pm i

K = Constant,

1.740×10^{-7} (1/ppm) (g-mole/scm) (MJ/Kcal)

where

standard temperature for (g-mole/scm) is 20°C \pm i

C_i = Concentration of sample component i, in ppm, as measured by USEPA Reference Method 18, 40 CFR 60, Appendix A (1986), and ASTM D 2504-83, both incorporated by reference in Section 219.112 of this Part \pm i

H_i = Net heat of combustion of sample component i, kcal/g mole. The heats of combustion may be determined using ASTM D 2382-83, incorporated by reference in Section 219.112 of this Part, if published values are not available or cannot be calculated.

- 5) Steam-assisted and nonassisted flares shall be designed and operated with an exit velocity, as determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by USEPA Reference Method 2 or 2A, 40 CFR 60, Appendix A (1986) incorporated by reference in Section 219.112 of this Part, as

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appropriate; by the unobstructed (free) cross sectional area of the flare tip, less than 18 m/sec (60 ft/sec).

- 6) Air-assisted flares shall be designed and operated with an exit velocity less than the maximum permitted velocity, V_{\max} , as determined by the following equation:

$$\begin{aligned} V_{\max} &= 8.706 + 0.7084(H_i)^{1/2} \\ V_{\max} &= \text{Maximum permitted velocity, m/sec} \\ 8.706 &= \text{Constant} \\ 0.7084 &= \text{Constant} \\ H_i &= \text{The net heating value as determined in subsection (c)(4) of this section.} \end{aligned}$$

- d) If the control device is a closed container, it shall be designed and operated to reduce the volatile organic material emissions, vented from purged process fluid after transfer, to no detectable volatile organic material emissions as determined by US EPA Reference Method 21 as specified at 40 CFR 60, Appendix A (1986), incorporated by reference in Section 219.112. For purposes of this section, the phrase "after transfer" shall refer to the time at which the entire amount of purged process fluid resulting from a flushing or cleaning of the sample line enters the closed container or containers including the final container(s) prior to disposal. The following information pertaining to closed vent systems and control devices subject to Section 219.429 shall be maintained by the owner or operator. These records shall be updated as necessary to describe current operation and equipment. The records shall be retained as a readily accessible location at the source for a minimum of two years after the control device is permanently shutdown.

- 1) Detailed schematics, design specifications, and piping and instrumentation diagrams;
- 2) The dates and description of any changes in design specifications;
- 3) A description of the parameter or parameters monitored and recorded as required in subsection

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(f)(1) to ensure that the control devices are operated and maintained in conformance with their design and an explanation why that parameter (or parameters) was selected for monitoring.

- e) ~~The owner or operator of a control device shall monitor the control device to ensure that it is operated and maintained in conformance with the manufacturer's specifications, modified to the particular process design.~~

f) The control device shall be operated at all times when emissions may be vented to it.

- f) Owners and operators of control devices used to comply with this Subpart shall monitor each control device to ensure that the control device is operated and maintained in conformance with its designs at all times that emissions may be vented to it. This monitoring shall be conducted in accordance with Section 219.429(d)(3). The records prepared as part of this monitoring activity shall include the dates of startup and shutdown of control devices and identify periods when the devices are not operated as designed, including periods when a flare pilot light does not have a flame.

- g) The requirements of subsections (d), (e) and (f) shall not apply to a combustion device used for disposal of purged process fluid which is subject to the BIF rules, located at the source or which is subject to the RCRA rules. The owner or operator of such combustion device shall satisfy applicable provisions of the RCRA or BIF rules.

(Source: Amended at Ill. Reg. _____, effective _____)
Section 219.430 Compliance Date (Repealed)

~~The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to 35 Ill. Adm. Code 215.430 through 215.438 as of December 31, 1987 shall have complied with the standards and limitations of these Sections no later than December 31, 1987.~~

(Source: Repealed at Ill. Reg. _____, effective _____)

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES;

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ASPHALT MATERIALS

Section 219.441 Petroleum Refinery Waste Gas Disposal

- a) Except as provided in subsection (b) or (c) of this Section, no person shall cause or allow the discharge of organic materials in excess of 100 ppm equivalent methane (molecular weight 16.0) into the atmosphere from:
 - 1) Any catalyst regenerator of a petroleum cracking system; or
 - 2) Any petroleum fluid coker; or
 - 3) Any other waste gas stream from any petroleum or petrochemical manufacturing process.
- b) Exception. Existing sources subject to subsection (a)(3) of this Section may, alternatively, at their election, comply with the organic material emission limitations imposed by 35 Ill. Adm. Code 2159.301 or 2159.302; provided, however, that there shall be no increase in emissions from such sources above the level of emissions in existence on May 3, 1979.
- c) New Sources. Sources subject to subsection (a)(3) of this Section, construction of which commenced on or after January 1, 1977, may, at their election, comply with the following emission limitations:
 - 1) A maximum of eight pounds per hour of organic material; or
 - 2) Emission of organic material in excess of the allowable if such emissions are controlled by air pollution control methods or equipment approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would otherwise be emitted to the atmosphere. Such methods or equipment must be approved by the Agency and approved by the USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.443 Wastewater (Oil/Water) Separator

No owner or operator of a petroleum refinery shall operate any wastewater (oil/water) separator at a petroleum refinery unless the separator is equipped with air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. If no odor nuisance exists, the limitation of this Section shall not apply if the vapor pressure of the organic material is below 10.34 kPa (1.5 psia) at 294.3°K (70°F) at all times.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.45 Leaks: General Requirements

a) The owner or operator of a petroleum refinery shall:

- 1a) Develop a monitoring program plan consistent with the provisions of Section 219.446 of this Part;
- 2b) Conduct a monitoring program consistent with the provisions of Section 219.447 of this Part;
- 3c) Record all leaking components which have a volatile organic material concentration exceeding 10,000 ppm consistent with the provisions of Section 219.448 of this Part;
- 4d) Identify each component consistent with the monitoring program plan submitted pursuant to Section 219.446 of this Part;
- 5e) Repair and retest the leaking components as soon as possible within 22 days after the leak is found, but no later than June 1 for the purposes of Section 219.447(a)(1) of this Part, unless the leaking components cannot be repaired until the unit is shut down for turnaround; and
- 6f) Report to the Agency consistent with the provisions of Section 219.449 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.446 Monitoring Program Plan for Leaks

The owner or operator of a petroleum refinery shall prepare a monitoring program plan which contains, at a minimum:

- a) An identification of all refinery components and the

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period in which each will be monitored pursuant to Section 219.447 of this Part;

- b) The format for the monitoring log required by Section 219.448 of this Part;
- c) A description of the monitoring equipment to be used pursuant to Section 219.447 of this Part; and
- d) A description of the methods to be used to identify all pipeline valves, pressure relief valves in gaseous service and all leaking components such that they are obvious to both refinery personnel performing monitoring and Agency personnel performing inspections.

(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.447 Monitoring Program for Leaks

- a) The owner or operator of a petroleum refinery subject to Section 219.445 of this Part shall, for the purpose of detecting leaks, conduct a component monitoring program consistent with the following provisions:

- 1) Test once between March 1 and June 1 of each year, by methods referenced in Section 219.105(g) of this Part, all pump seals, pipeline valves in liquid service and process drains;
- 2) Test once each quarter of each calendar year, by methods referenced in Section 219.105(g) of this Part, all pressure relief valves in gaseous service, pipeline valves in gaseous service and compressor seals;
- 3) Inaccessible valves may be tested once each calendar year instead of once each quarter of each calendar year;
- 4) Observe visually all pump seals weekly;
- 5) Test immediately any pump seal from which liquids are observed dripping;
- 6) Test any relief valve within 24 hours after it has vented to the atmosphere; and
- 7) Test immediately after repair any component that

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was found leaking.

- b) Storage tank valves and pressure relief devices connected to an operating flare header or vapor recovery device are exempt from the monitoring requirements in subsection (a) of this Section.
- c) The Agency may require more frequent monitoring than would otherwise be required by subsection (a) of this Section for components which are demonstrated to have a history of leaking.

(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.449 Reporting for Leaks

The owner or operator of a petroleum refinery shall:

- a) Submit a report to the Agency prior to the 1st day of both July and September listing all leaking components identified pursuant to Section 219.447 of this Part but not repaired within 22 days, all leaking components awaiting unit turnaround, the total number of components inspected and the total number of components found leaking;

- b) Submit a signed statement with the report attesting that all monitoring and repairs were performed as required under Sections 219.445 through 219.448 of this Part.

(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.450 Alternative Program for Leaks

The Agency may approve an alternative program of monitoring, recordkeeping or reporting to that prescribed in Sections 219.446 through 219.449 of this Part upon a demonstration by the owner or operator of a petroleum refinery that the alternative program will provide refinery, Agency and USEPA personnel with an equivalent ability to identify and repair leaking components. Any alternative program can be allowed only if approved by the USEPA as a SIP revision.

(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.452 Compliance Schedule for Leaks

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The owner or operator of a petroleum refinery shall adhere to the increments of progress contained in the following schedule:

- a) Submit to the Agency a monitoring program consistent with Section 219.446 of this Part prior to July 1, 1991 or a date consistent with Section 219.106 of this Part.
- b) Submit to the Agency the first monitoring report pursuant to Section 219.449 of this Part prior to August 1, 1991 or a date consistent with Section 219.106 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 218.453 Compliance Dates (Repealed)

~~Every owner or operator of a petroleum refinery subject to 35 Ill. Adm. Code 215, Subpart R as of December 31, 1987 shall have complied with its standards and limitations by December 31, 1987.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

Section 219.461 Manufacture of Pneumatic Rubber Tires

The owner or operator of an undertread cementing, treadend cementing or bead dipping operation at a pneumatic rubber tire manufacturing facility shall install and operate:

- a) A capture system, with minimum capture efficiency of 65 percent by weight of VOM for treadend cementing or bead dipping operations and a capture system with a minimum capture efficiency of 55.5 percent by weight of VOM for undertread cementing; and

- b) A control device that meets the requirements of one of the following:

- 1) A carbon adsorption system designed and operated in a manner such that there is at least a 90 percent removal of VOM by weight from the gases ducted to the control device;
- 2) An afterburning system that oxidizes at least 90 percent of the captured nonmethane VOM (VOM measured as total combustible carbon) to carbon dioxide and water; and

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- 3) An alternative VOM emission reduction system demonstrated to have at least a 90 percent overall reduction efficiency and approved by the Agency and approved by the USEPA.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.462 Green Tire Spraying Operations

The owner or operator of a green tire spraying operation at a pneumatic rubber tire manufacturing facility shall:

- a) Install and operate:

- 1) A capture system with a minimum capture efficiency of 90 percent by weight of VOM; and
- 2) A control device that meets the requirements of one of the following:

- A) A carbon adsorption system designed and operated in a manner such that there is at least 90 percent removal of VOM by weight from the ~~base~~ gases ducted to the control device;
- B) An afterburning system that oxidizes at least 90 percent of the captured nonmethane VOM (measured as total combustible carbon) to carbon dioxide and water; or
- C) An alternative VOM emission reduction system demonstrated to have at least a 90 percent overall reduction efficiency approved by the Agency and approved by the USEPA as a SIP revision.

- b) Substitute for the normal solvent-based mold release compound water-based sprays containing:

- 1) No more than five percent by volume of VOM as applied for the inside of tires;
- 2) No more than ten percent by volume of VOM as applied for the outside of tires.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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Section 219.463

Alternative Emission Reduction Systems

In lieu of complying with Section 219.461 or 219.462 of this Part, the owner or operator of an ~~emission~~ source may utilize an alternative volatile organic emission reduction system, including an alternative production process, which is demonstrated to be equivalent to Section 219.461 or 219.462 of this Part on the basis of emissions of volatile organic ~~matter~~ material. A treaded cementing operation shall be considered equivalent to Section 219.461 or 219.462 of this Part for the purposes of this Section if the total volatile organic emission from such operation is 10 grams or less per tire.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 219.464

~~Testing and Monitoring~~ Emission Testing

a) Upon a reasonable request by the Agency, the owner or operator of a VOM ~~emission~~ source required to comply with a limit of Sections 219.461 through 219.464 of this Part shall conduct emissions testing, at such person's own expense, to demonstrate compliance.

b) A person planning to conduct a VOM emission test to demonstrate compliance shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so the Agency may observe the test.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 218.465

Compliance Dates (Repealed)

~~Every owner or operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart 6, as of December 31, 1987, shall have complied with its standards and limitations by December 31, 1987.~~

(Source: Repealed at ___ Ill. Reg. ____, effective ____)

Section 219.466

Compliance Plan (Repealed)

a) ~~The owner or operator of an emission source shall have submitted to the Agency a compliance plan, pursuant to 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule where applicable, no later than April 21, 1987.~~

b) ~~Unless the submitted compliance plan or schedule was~~

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~~disapproved by the Agency, the owner or operator of a facility or emission source may operate the emission source according to the plan and schedule as submitted.~~

e) ~~The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H, including specific interim dates as required in 35 Ill. Adm. Code 201.242.~~

(Source: Repealed at ___ Ill. Reg. ____, effective ____)

SUBPART T: PHARMACEUTICAL MANUFACTURING

Section 219.480 Applicability ~~of Subpart T~~

a) The rules of this Subpart, except for Sections 219.483 through 219.485, apply to all emission ~~source~~ units of VOM, including but not limited to reactors, distillation units, dryers, storage tanks for VOL, equipment for the transfer of VOL, filters, crystallizers, washers, laboratory hoods, pharmaceutical coating operations, mixing operations and centrifuges used in manufacturing, including packaging, of pharmaceuticals, and emitting more than 6.8 kg/day (15 lbs/day) and more than 2,268 kg/year (2.5 tons/year) of VOM. If such an emission ~~source~~ unit emits less than 2,268 kg/year (2.5 tons/year) of VOM, the requirements of this Subpart still apply to the emission ~~source~~ unit if VOM emissions from the emission ~~source~~ unit exceed 45.4 kg/day (100 lbs/day).

b) ~~Notwithstanding subsection (a), the air suspension coater/dryer, fluid bed dryers, tunnel dryers, and Accelacotas located in Libertyville Township, Lake County, Illinois shall be exempt from the rules of this Subpart, except for Sections 219.483 through 219.485, if emissions of VOM not vented to air pollution control equipment do not exceed the following levels:~~

1) ~~for the air suspension coater/dryer: 2,268 kg/year (2.5 tons/year);~~

2) ~~for each fluid bed dryer: 4,535 kg/year (5.0 tons/year);~~

3) ~~for each tunnel dryer: 6,803 kg/year (7.5 tons/year);~~ and

4) ~~for each Accelacota: 6,803 kg/year~~

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(7-5 tons/year)-

e)b) Sections 219.483 through 219.485 of this Part apply to a ~~plantsource~~ having one or more emission ~~sources~~ units that:

- 1) Are used to manufacture pharmaceuticals, and
- 2) Emit more than 6.8 kg/day (15 lbs/day) of VOM and more than 2,268 kg/year (2.5 tons/year) of VOM, or, if less than 2,268 kg/year (2.5 tons/year), these Sections still apply if emissions from one or more sources exceed 45.4 kg/day (100 lbs/day).

e)c) No owner or operator shall violate any condition in a permit when the condition results in exclusion of an emission ~~source~~ unit from this Subpart.

e)d) Any pharmaceutical manufacturing source that becomes subject to the provisions of this Subpart at any time shall remain subject to the provisions of this Subpart at all times.

e)f) Emissions subject to this Subpart shall be controlled at all times consistent with the requirements set forth in this Subpart.

e)g) Any control device required pursuant to this Subpart shall be operated at all times when the source it is controlling is operated.

e)h) Determinations of daily and annual emissions for purposes of this Section shall be made using both data on the hourly emission rate (or the emissions per unit of throughput) and appropriate daily and annual data from records of emission ~~source~~ unit operation (or material throughput or material consumption data). In the absence of representative test data pursuant to Section 219.487 of this Part for the hourly emission rate (or the emissions per unit of throughput), such items shall be calculated using engineering calculations, including the methods described in Appendix B of "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products" (EPA-450/2-78-029), incorporated by reference in Section 219.112 of this Part. (This subsection shall not affect the Agency's or the USEPA's authority to require emission tests to be performed pursuant to

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Section 219.487 of this Part.)

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.481 Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers

a) The owner or operator shall equip all reactors, distillation units, crystallizers, centrifuges and vacuum dryers that are used to manufacture pharmaceuticals with surface condensers or other air pollution control equipment listed in subsection (b) of this Section. If a surface condenser is used, it shall be operated such that the condenser outlet gas temperature does not exceed:

- 1) 248.2°K (-13°F) when condensing VOM of vapor pressure greater than 40.0 kPa (5.8 psi) at 294.3°K (70°F), or
- 2) 258.2°K (5°F) when condensing VOM of vapor pressure greater than 20.0 kPa (2.9 psi) at 294.3°K (70°F), or
- 3) 273.2°K (32°F) when condensing VOM of vapor pressure greater than 10.0 kPa (1.5 psi) at 294.3°K (70°F), or
- 4) 283.2°K (50°F) when condensing VOM of vapor pressure greater than 7.0 kPa (1.0 psi) at 294.3°K (70°F), or
- 5) 298.2°K (77°F) when condensing VOM of vapor pressure greater than 3.45 kPa (0.5 psi) at 294.3°K (70°F).

b) If a scrubber, carbon adsorber, thermal afterburner, catalytic afterburner, or other air pollution control equipment other than a surface condenser is used, such equipment shall provide a reduction in the emissions of VOM of 90 percent or more.

c) The owner or operator shall enclose all centrifuges used to manufacture pharmaceuticals and that have an exposed VOL surface, where the VOM in the VOL has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294.3°K (70°F), except as production, sampling, maintenance, or inspection procedures require operator access.

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(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.482 Control of Air Dryers, Production Equipment Exhaust Systems and Filters

- a) The owner or operator of an air dryer or production equipment exhaust system used to manufacture pharmaceuticals shall control the emissions of VOM from such emission sources by air pollution control equipment which reduces by 90 percent or more the VOM that would otherwise be emitted into the atmosphere.
- b) The owner or operator shall enclose all rotary vacuum filters and other filters used to manufacture pharmaceuticals and that have an exposed VOL surface, where the VOM in the VOL has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294.3°K (70°F), except as production, sampling, maintenance, or inspection procedures require operator access.

(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.483 Material Storage and Transfer

The owner or operator of a pharmaceutical manufacturing plant shall:

- a) Provide a vapor balance system that is at least 90 percent effective in reducing VOM emissions from truck or railcar deliveries to storage tanks with capacities equal to or greater than 7.57 m³ (2,000 gal) that store VOL with vapor pressures greater than 28.0 kPa (4.1 psi) at 294.3°K (70°F), and
- b) Install, operate, and maintain pressure/vacuum conservation vents set at 0.2 kPa (0.03 psi) or greater on all storage tanks that store VOL with vapor pressures greater than 10 kPa (1.5 psi) at 294.3°K (70°F).

(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.485 Leaks

The owner or operator of a pharmaceutical manufacturing plant shall repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as

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practicable but no later than 15 days after the leak is found. If the leaking component cannot be repaired until the process unit is shut down, the leaking component must then be repaired before the unit is restarted.

(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.486 Other Emission Sources Units

The owner or operator of a washer, laboratory hood, tablet coating operation, mixing operation or any other process emission source unit not subject to Sections 219.481 through 219.485 of this Part, and used to manufacture pharmaceuticals shall control the emissions of VOM from such emission sources by:

- a) Air pollution control equipment which reduces by 81 percent or more the VOM that would otherwise be emitted to the atmosphere, or
- b) A surface condenser which captures all the VOM which would otherwise be emitted to the atmosphere and which meets the requirements of Section 219.481(a) of this Part and (b).

(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.487 Testing

- a) Upon request by the Agency or the USEPA, the owner or operator of any VOM emission source subject to this Subpart or exempt from this Subpart by virtue of the provisions of Section 219.480 of this Part shall, at his own expense, demonstrate compliance to the Agency and the USEPA by the methods or procedures listed in Section 219.105(f)(1) of this Part.

- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency and the USEPA of that intent not less than 30 calendar days before the planned initiation of the test.

(Source: Amended at ____, Ill. Reg. ____, effective ____)

Section 219.489 Recordkeeping for Air Pollution Control Equipment

- a) The owner or operator of a pharmaceutical manufacturing

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facility source shall maintain the following records:

- 1) Parameters listed in Section 219.488(a) of this Part (i) shall be recorded.
- 2) For source emission units subject to Section 219.481 of this Part, the vapor pressure of VOM being controlled shall be recorded for every process.
- b) For any leak subject to Section 219.485 of this Part which cannot be readily repaired within one hour after detection, the following records shall be kept:
 - 1) The name of the leaking equipment,
 - 2) The date and time the leak is detected,
 - 3) The action taken to repair the leak, and
 - 4) The date and time the leak is repaired.
- c) The following records shall be kept for emission source units subject to Section 219.484 of this Part which contain VOL:
 - 1) For maintenance and inspection:
 - A) The date and time each cover is opened,
 - B) The length of time the cover remains open, and
 - C) The reason why the cover is opened.
 - 2) For production and sampling, detailed written procedures or manufacturing directions specifying the circumstances under which covers may be opened and the procedures for opening covers.

- d) For each emission source unit used in the manufacture of pharmaceuticals for which the owner or operator of a pharmaceutical manufacturing plant source claims emission standards are not applicable, because the emissions are below the applicability cutoffs in Section 219.480(a) or 219.480(b) of this Part, the owner or operator shall:
 - 1) Maintain appropriate operating records for each such emission source to identify whether the applicability cutoffs in Section 219.480(a) or 219.480(b) of this Part, as appropriate, are ever exceeded; and
 - 2) Provide written notification to the Agency and the USEPA within 30 days of a determination that such an emission source unit has exceeded the applicability cutoffs in Section 219.480(a) or 219.480(b) of this Part, as appropriate.

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- 1) Maintain a demonstration including detailed engineering calculations of the maximum daily and annual emissions for each such emission source unit showing that the emissions are below the applicability cutoffs in Section 219.480(a) or 219.480(b) of this Part, as appropriate, for the current and prior calendar years;
- 2) Maintain appropriate operating records for each such emission source to identify whether the applicability cutoffs in Section 219.480(a) or 219.480(b) of this Part, as appropriate, are ever exceeded; and
- 3) Provide written notification to the Agency and the USEPA within 30 days of a determination that such an emission source unit has exceeded the applicability cutoffs in Section 219.480(a) or 219.480(b) of this Part, as appropriate.
- e) Records required under subsection (a) of this Section shall be maintained by the owner or operator for a minimum of two years after the date on which they are made.
- f) Copies of the records shall be made available to the Agency or the USEPA upon verbal or written request.

(Source: Amended at Ill. Reg. _____, effective _____)

SUBPART V: AIR OXIDATION PROCESSES

Section 219.521

Definitions (Repealed)

In addition to the definitions of 35 Ill. Adm. Code 211, the following definitions apply to this Subpart:

"Air Oxidation Process": any unit process including ammoxidation and oxychlorination which uses air or a combination of air and oxygen as an oxidant in combination with one or more organic reactants to produce one or more organic compounds.

"Cost Effectiveness": the annual expense for cost of control given process stream divided by the reduction in emissions of organic material of that stream.

"Flow (F)": Vent stream flowrate (scm/min) at a

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standard temperature of 20°C.

"Full Operating Flowrate", Maximum operating capacity of the facility.

"Hourly Emissions (H)", Hourly emissions reported in kg/hr measured at full operating flowrate.

"Net Heating Value (H)", Vent stream net heating value (MJ/scm), where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of "flow".

"Process Vent Stream", An emission stream resulting from an air oxidation process.

"Total Resource Effectiveness Index (TRE)", Cost effectiveness in dollars per megagram of controlling any gaseous stream vented to the atmosphere from an air oxidation process divided by \$1600/Mg, using the criteria and methods set forth in this Subpart and Appendices C and D.

(Source: Repealed at Ill. Reg. _____, effective _____)

Section 219.525 Emission Limitations for Air Oxidation Processes

a) No person shall cause or allow the emission of volatile organic material (VOM) from any process vent stream unless the process vent stream is vented to a combustion device which is designed and operated either:

1) To reduce the volatile organic emissions vented to it with an efficiency of at least ninety eight percent (98%) by weight; or

2) To emit VOM at a concentration less than twenty parts per million by volume, dry basis.

b) An Air oxidation facilities process vent stream for which an existing combustion device is employed to control process VOM emissions are not required to meet the 98 percent emissions limit until the combustion device is replaced for other reasons, which

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shall be considered to include, but not be limited to, normal maintenance, malfunction, accident, and obsolescence. The combustion device is considered to be replaced when:

- 1) All of the device is replaced; or
- 2) When the cost of the repair of the device or the cost of replacement of part of the device exceeds 50% of the cost of replacing the entire device with a device which complies.

c) The limitations of subsection (a) above do not apply to any process vent stream or combination of process vent streams which has a Total Resource Effectiveness Index (TRE) greater than 1.0, as determined by the following methods:

- 1) If an air oxidation process has more than one process vent stream, TRE shall be based upon a combination of the process vent streams.

- 2) TRE of a process vent stream shall be determined according to the following equation:

$$TRE = E^{-1} [a + bF^n + cF + dFH + e(FH)^n + fF^{0.5}]$$

where:

$$n = 0.88;$$

$$TRE = \text{Total resource effectiveness index};$$

$$F = \text{Vent stream flowrate (scm/min), at a standard temperature of } 20^{\circ}\text{C};$$

$$E = \text{Hourly measured emissions in kg/hr};$$

$$H = \text{Net heating value of vent stream (MJ/scm), where the net enthalpy per mole of offgas is based on combustion at } 25^{\circ}\text{C and } 760 \text{ mm Hg, but the standard temperature for determining the volume corresponding to one mole is } 20^{\circ}\text{C,}$$

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as in the definition of "Flow"_{7i}

a, b, c,
d, e
and f = Coefficients obtained by use
of Appendix FD.

- 3) For nonchlorinated process vent streams, if the net heating value, H, is greater than 3.6 MJ/scm, F shall be replaced by $F_{1F'}$ for purposes of calculating TRE. $F_{1F'}$ is computed as follows:

$$F_{1F'} = FH / 3.6$$

where F and H are as defined in subsection (c) (2).

- 4) The actual numerical values used in the equation described in subsection (c) (2) above shall be determined as follows:

- A) All reference methods and procedures for determining the flow, (F), hourly emissions, (E), and net heating, (H), value shall be in accordance with Appendix C.
- B) All coefficients described in subsection (c) (2) of this Section shall be in accordance with Appendix D.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 219.527 Compliance Date (Repealed)

~~Each owner or operator of an emission source subject to 35-111, Adm. Code 215, Subpart V, as of December 31, 1987, shall have complied with the standards and limitations of 35-111, Adm. Code 215, Subpart V, by December 31, 1987.~~

(Source: Repealed at Ill. Reg. _____, effective _____)

SUBPART W: AGRICULTURE

Section 219.541 Pesticide Exemption

The provisions of Sections 219.301 and 219.302 of this Part shall not apply to the spraying or use of insecticides, herbicides or other pesticides.

(Source: Amended at Ill. Reg. _____, effective _____)

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SUBPART X: CONSTRUCTION

Section 219.562 Paving Operations

The provisions of Sections 219.301 and 219.302 of this Part shall not apply to the application of paving asphalt and pavement marking paint from sunrise to sunset.

(Source: Amended at Ill. Reg. _____, effective _____)

SUBPART Y: GASOLINE DISTRIBUTION

Section 219.581 Bulk Gasoline Plants

- a) Subject to subsection (e) of this Section, no person may cause or allow the transfer of gasoline from a delivery vessel into a stationary storage tank located at a bulk gasoline plant unless:

- 1) The delivery vessel and the stationary storage tank are each equipped with a vapor collection system that meets the requirements of subsection (d) (4) of this Section_{7i}
 - 2) Each vapor collection system is operating_{7i}.
 - 3) The delivery vessel displays the appropriate sticker pursuant to the requirements of Sections 219.584 (b) or (d) of this Part_{7i}
 - 4) The pressure relief valve(s) on the stationary storage tank and the delivery vessel are set to release at no less than 0.7 psi or the highest pressure allowed by state or local fire codes or the guidelines of the National Fire Prevention Association_{7i} and
 - 5) The stationary storage tank is equipped with a submerged loading pipe.
- b) Subject to subsection (f) of this Section, no person may cause or allow the transfer of gasoline from a stationary storage tank located at a bulk gasoline plant into a delivery vessel unless:
- 1) The requirements set forth in subsections (a) (1) through (a) (4) of this Section are met_{7i} and

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- 2) Equipment is available at the bulk gasoline plant to provide for the submerged filling of the delivery vessel or the delivery vessel is equipped for bottom loading.
- c) Subject to subsection (e) of this Section, each owner of a stationary storage tank located at a bulk gasoline plant shall:
- 1) Equip each stationary storage tank with a vapor control system that meets the requirements of subsection (a) or (b) of this Section, whichever is applicable_{7i}.
 - 2) Provide instructions to the operator of the bulk gasoline plant describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system_i and
 - 3) Repair, replace or modify any worn out or malfunctioning component or element of design.
- d) Subject to subsection (e) of this Section, each operator of a bulk gasoline plant shall:
- 1) Maintain and operate each vapor control system in accordance with the owner's instructions_{7i}.
 - 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system_{7i} and
 - 3) Maintain gauges, meters or other specified testing devices in proper working order_{7i}.
 - 4) Operate the bulk plant vapor collection system and gasoline loading equipment in a manner that prevents:
 - A) Gauge pressure from exceeding 45.7 cm (18 in.) of water and vacuum from exceeding 15.2 cm (6 in.) of water, as measured as close as possible to the vapor hose connection_{7i} and
 - B) A reading equal to or greater than 100 percent of the lower explosive limit (LEL

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- measured as propane) when tested in accordance with the procedure described in "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", Appendix B, EPA 450/2-78-051, (incorporated by reference in Section 219.112 of this Part)_{7i} and
- c) Avoidable leaks of liquid during loading or unloading operations.
- 5) Provide a pressure tap or equivalent on the bulk plant vapor collection system in order to allow the determination of compliance with subsection (d)(4)(A) of this Section_{7i} and
- 6) Within 15 business days after discovery of any leak by the owner, the operator, the Agency or the USEPA, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A) or (B) of this Section.
- e) The requirements of subsections (a), (c) and (d) of this Section shall not apply to:
- 1) Any stationary storage tank with a capacity of less than 2,177 l (575 gal)_{7i} or
 - 2) Any bulk gasoline plant whose daily gasoline throughput is less than 15,140 l (4,000 gal/day) on a thirty-day rolling average.
- f) The requirements of subsection (b) shall apply only to bulk gasoline plants whose daily gasoline throughput is greater than or equal to 15,140 l (4,000 gal/day) on a thirty-day rolling average.
- g) Any bulk gasoline plant which is ever subject to subsections (a), (b), (c), or (d) of this Section shall always be subject to these paragraphs.
- (Source: Amended at ___ Ill. Reg. ___, effective _____)
- Section 219.582 Bulk Gasoline Terminals
- a) No person shall cause or allow the transfer of gasoline into any delivery vessel from any bulk gasoline terminal unless:

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- 1) The bulk gasoline terminal is equipped with a vapor control system that limits emission of VOM to 80 mg/1 (0.00067 lbs/gal) of gasoline loaded;
- 2) The vapor control system is operating and all vapors displaced in the loading of gasoline to the delivery vessel are vented only to the vapor control system;
- 3) There is no liquid drainage from the loading device when it is not in use;
- 4) All loading and vapor return lines are equipped with fittings which are vapor tight; and
- 5) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 219.584(b) or (d) of this Part; or, if the terminal is driver-loaded, the terminal owner or operator shall be deemed to be in compliance with this Section when terminal access authorization is limited to those owners and/or operators of delivery vessels who have provided a current certification as required by Section 219.584(c) (3) of this Part.

b) ~~Bulk gasoline terminals were required to take certain actions to achieve compliance which are summarized in 35-ill. Adm. Code 215, Appendix C.~~

e) The operator of a bulk gasoline terminal shall:

- 1) Operate the terminal vapor collection system and gasoline loading equipment in a manner that prevents:
 - A) Gauge pressure from exceeding 18 inches of water and vacuum from exceeding 6 inches of water as measured as close as possible to the vapor hose connection; and
 - B) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B, incorporated by reference in Section 219.112 of this Part; and

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- C) Avoidable leaks of liquid during loading or unloading operations.
- 2) Provide a pressure tap or equivalent on the terminal vapor collection system in order to allow the determination of compliance with Section 219.582(d)(1)(A) of this Part; and
- 3) Within 15 business days after discovery of the leak by the owner, operator, or the Agency repair and retest a vapor collection system which exceeds the limits of subsection (c)(1)(A) or (B) of this Section.

(Source: Amended at ___ Ill. Reg. ___, effective ___)
Section 219.583 Gasoline Dispensing Facilities Operation.

a) Subject to subsection (b) of this Section, no person shall cause or allow the transfer of gasoline from any delivery vessel into any stationary storage tank at a gasoline dispensing facility operation unless:

- 1) The tank is equipped with a submerged loading pipe; and
- 2) The vapors displaced from the storage tank during filling are processed by a vapor control system that includes one or more of the following:

- A) A vapor collection system that meets the requirements of subsection (d)(4) of this Section; or
- B) A refrigeration-condensation system or any other system approved by the Agency and approved by the USEPA as a SIP revision, that recovers at least 90 percent by weight of all vaporized organic material from the equipment being controlled; and

C) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 219.584(b) or (d) of this Part.

b) The requirements of subsection (a)(2) above shall not apply to transfers of gasoline to a stationary storage tank at a gasoline dispensing facility operation if:

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- 1) The tank is equipped with a floating roof, or other system of equal or better emission control as approved by the Agency and approved by the USEPA as a SIP revision;
- 2) The tank has a capacity of less than 2000 gallons and was in place and operating before January 1, 1979; or
- 3) The tank has a capacity of less than 575 gallons.

c) Subject to subsection (b) above, each owner of a gasoline dispensing ~~facility~~operation shall:

- 1) Install all control systems and make all process modifications required by subsection (a) of this Section;

2) Provide instructions to the operator of the gasoline dispensing ~~facility~~operation describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system; and

- 3) Repair, replace or modify any worn out or malfunctioning component or element of design.

d) Subject to subsection (b) of this Section, each operator of a gasoline dispensing ~~facility~~operation shall:

- 1) Maintain and operate each vapor control system in accordance with the owner's instructions;
- 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system;
- 3) Maintain gauges, meters or other specified testing devices in proper working order;
- 4) Operate the vapor collection system and delivery vessel unloading points in a manner that prevents:
 - A) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in

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accordance with the procedure described in EPA 450/2-78-051 Appendix B, and

- B) Avoidable leaks of liquid during the filling of storage tanks; and

- 5) Within 15 business days after discovery of the leak by the owner, operator, or the Agency, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A) above.

e) ~~Gasoline dispensing facilities were required to take certain actions to achieve compliance which are summarized in 35 Ill. Adm. Code 215, Appendix C.~~

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.584 Gasoline Delivery Vessels

a) Any delivery vessel equipped for vapor control by use of vapor collection equipment:

- 1) Shall have a vapor space connection that is equipped with fittings which are vapor tight;
- 2) Shall have its hatches closed at all times during loading or unloading operations, unless a top loading vapor recovery system is used;
- 3) Shall not internally exceed a gauge pressure of 18 inches of water or a vacuum of 6 inches of water;
- 4) Shall be designed and maintained to be vapor tight at all times during normal operations;
- 5) Shall not be refilled in Illinois at other than:
 - A) A bulk gasoline terminal that complies with the requirements of Section 219.582 of this Part or
 - B) A bulk gasoline plant that complies with the requirements of Section 219.581(b) of this Part.
- 6) Shall be tested annually in accordance with Method 27, 40 CFR 60, Appendix A, incorporated by reference in Section 219.105 of this Part. Each

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vessel must be repaired and retested within 15 business days after discovery of the leak by the owner, operator, or the Agency, when it fails to sustain:

- A) A pressure drop of no more than three inches of water in five minutes; and
- B) A vacuum drop of no more than three inches of water in five minutes.

b) Any delivery vessel meeting the requirements of subsection (a) of this Section shall have a sticker affixed to the tank adjacent to the tank manufacturer's data plate which contains the tester's name, the tank identification number and the date of the test. The sticker shall be in a form prescribed by the Agency, and, for those delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987 shall have been displayed no later than December 31, 1987.

c) The owner or operator of a delivery vessel shall:

- 1) Maintain copies of any test required under subsection (a) (6) of this Section for a period of 3 years;
- 2) Provide copies of these tests to the Agency upon request; and
- 3) Provide annual test result certification to bulk gasoline plants and terminals where the delivery vessel is loaded.

d) Any delivery vessel which has undergone and passed a test in another state which has a USEPA-approved leak testing and certification program will satisfy the requirements of subsection (a) of this Section. Delivery vessels must display a sticker, decal or stencil approved by the state where tested or comply with the requirements of subsection (b) of this Section. All such stickers, decals or stencils shall have been displayed no later than December 31, 1987, for delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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Section 219.585 Gasoline Volatility Standards

a) No person shall sell, offer for sale, dispense, supply, offer for supply, or transport for use in Illinois gasoline whose Reid vapor pressure exceeds the applicable limitations set forth in subsections (b) and (c) of this Section during the regulatory control periods, which shall be ~~July May 1 to August 31~~ September 15 for retail outlets, wholesale purchaser-consumer facilities, and all other facilities.

b) The Reid vapor pressure of gasoline, a measure of its volatility, shall not exceed 9.50 psi (65-562.07 kPa) during the regulatory control period in 1990 and each year thereafter.

c) The Reid vapor pressure of ethanol blend gasolines shall not exceed the limitations for gasoline set forth in subsection (b) of this Section by more than 1.0 psi (6.9 kPa). Notwithstanding this limitation, blenders of ethanol blend gasolines whose Reid vapor pressure is less than 1.0 psi above the base stock gasoline immediately after blending with ethanol are prohibited from adding butane or any product that will increase the Reid vapor pressure of the blended gasoline.

d) All sampling of gasoline required pursuant to the provisions of this Section shall be conducted by one or more of the following approved methods or procedures which are incorporated by reference in Section 215.105.

- 1) For manual sampling, ASTM D4057;
- 2) For automatic sampling, ASTM D4177;
- 3) Sampling procedures for Fuel Volatility, 40 CFR 80 Appendix D.

e) The Reid vapor pressure of gasoline shall be measured in accordance with either test method ASTM D323 or a modification of ASTM D323 known as the "dry method" as set forth in 40 CFR 80, Appendix E, incorporated by reference in 35 Ill. Adm. Code 215.105.112 of this Part. For gasoline - oxygenate blends which contain water-extractable oxygenates, the Reid vapor pressure shall be measured using the dry method test.

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- f) The ethanol content of ethanol blend gasolines shall be determined by use of one of the approved testing methodologies specified in 40 CFR 80, Appendix F, incorporated by reference in 35 Ill. Adm. Code ~~215219.105112~~ of this Part.
- g) Any alternate to the sampling or testing methods or procedures contained in subsections (d), (e), and (f) of this Section must be approved by the Agency, which shall consider data comparing the performance of the proposed alternative to the performance of one or more approved test methods or procedures. Such data shall accompany any request for Agency approval of any alternate test procedure. If the Agency determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test methods or will achieve results equivalent to the approved test methods or procedures, the Agency shall approve the proposed alternative.

- h) Each refiner or supplier that distributes gasoline or ethanol blends shall:

- 1) During the regulatory control period, state that the Reid vapor pressure of all gasoline or ethanol blends leaving the refinery or distribution facility for use in Illinois complies with the Reid vapor pressure limitations set forth in 35 Ill. Adm. Code ~~215219.585(b)~~ and (c) of this Part. Any facility source receiving this gasoline shall be provided with a copy of an invoice, bill of lading, or other documentation used in normal business practice stating that the Reid vapor pressure of the gasoline complies with the State Reid vapor pressure standard.
- 2) Maintain records for a period of one year on the Reid vapor pressure, quantity shipped and date of delivery of any gasoline or ethanol blends leaving the refinery or distribution facility for use in Illinois. The Agency shall be provided with copies of such records if requested.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 219.586 Gasoline Dispensing Facilities Operations -
Motor Vehicle Fueling Operations

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- a) For the purposes of this section, the following definitions apply.
- 1) Average Monthly Volume means the amount of motor vehicle fuel dispensed per month from a gasoline dispensing facility operation based upon a monthly average for the 2-year period of November, 1990 through October, 1992 or, if not available, the monthly average for the most recent twelve calendar months. Monthly averages are to include only those months when the facility operation was operating.
 - 2) Certified means any vapor collection and control system which has been tested and approved by CARB as having a vapor recovery and removal efficiency of at least 95% (by weight) shall constitute a certified vapor collection and control system. CARB testing and approval is pursuant to the CARB manual, hereby incorporated by reference at 219.112 of this Part (California Air Resources Board, Compliance Division, Compliance Assistance Program, Facilities Phase I & II (October 1988, rev. March 1991 CARB Manual). This incorporation includes no later additions or amendments.
 - 3) Completion of installation means the successful passing of one or more of the following tests applicable to the installed vapor collection and control system: Dynamic Backpressure Test, Pressure Decay/Leak Test, and Liquid Blockage Test. (United States Environmental Protection Agency, Washington D.C., EPA-450/3-91-002b). These tests are hereby incorporated by reference at 219.112 of this Part. This incorporation includes no later additions or amendments.)
 - 4) Constructed means fabricated, erected or installed; refers to any facility, emission source or air pollution control equipment.
 - 5) CARB means California Air Resources Board, P.O. Box 2815, Sacramento, CA 95812.
 - 6) Employee means any person who performs work for an employer.
 - 7) Facility operation means any building, structure,

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installation, operation or combination thereof located on contiguous properties and under common ownership that provides for the dispensing of motor vehicle fuel.

8) Gasoline dispensing ~~facility~~ operation ~~means~~ any ~~facility~~ operation where motor vehicle fuel is dispensed into motor vehicle fuel tanks or portable containers from a storage tank with a capacity of 2176 liters (575 gallons) or more.

9) Modification ~~means~~ any change, removal or addition, other than an identical replacement, of any component contained within the vapor collection and control system.

10) Motor vehicle ~~means~~ any self-propelled vehicle powered by an internal combustion engine including, but not limited to, automobiles and trucks. Specifically excluded from this definition are watercraft and aircraft.

11) Motor vehicle ~~fuel~~ ~~means~~ any petroleum distillate having a Reid vapor pressure of more than 27.6 kilopascals (kPa) (four pounds per square inch) and which is used to power motor vehicles.

12) Owner or operator ~~means~~ any person who owns, leases, operates, manages, supervises or controls (directly or indirectly) a gasoline dispensing ~~facility~~ operation.

13) Reid vapor pressure ~~for~~ gasoline, it shall be measured in accordance with either the method ASTM D323 or a modification of ASTM D323 known as the "dry method" as set forth in 40 CFR 80, Appendix E, incorporated by references in 35 Ill. Adm. Code ~~215.105~~ 219.112 of this Part.

14) Vapor collection and control system ~~means~~ any system certified by CARB which limits the discharge to the atmosphere of motor vehicle fuel vapors displaced during the dispensing of motor vehicle fuel into motor vehicle fuel tanks.

b) The provisions of subsection (c) below shall apply to any gasoline dispensing ~~facility~~ operation which

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dispenses an average monthly volume of more than 10,000 gallons of motor vehicle fuel per month. Compliance shall be demonstrated in accordance with the schedule provided in subsection (d) below.

c) No owner or operator of a gasoline dispensing ~~facility~~ operation subject to the requirements of subsection (b) above shall cause or allow the dispensing of motor vehicle fuel at any time from a motor fuel dispenser unless the dispenser is equipped with and utilizes a vapor collection and control system which is properly installed and operated as provided below:

1) Any vapor collection and control system installed, used or maintained has been CARB certified.

2) Any vapor collection and control system utilized is maintained in accordance with the manufacturer's specifications and the certification.

3) No elements or components of a vapor collection and control system are modified, removed, replaced or otherwise rendered inoperative in a manner which prevents the system from performing in accordance with its certification and design specifications.

4) A vapor collection and control system has no defective, malfunctioning or missing components.

5) Operators and employees of the gasoline dispensing ~~facility~~ operation are trained and instructed in the proper operation and maintenance of a vapor collection and control system.

6) Instructions are posted in a conspicuous and visible place within the motor fuel dispensing area and describe the proper method of dispensing motor vehicle fuel with the use of the vapor collection and control system.

d) In conjunction with the compliance provisions of Section 219.105 of this Part, ~~facility~~ operations subject to the requirements of subsection (c) above shall demonstrate compliance according to the following:

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- 1) Facilities Operations that commenced construction after November 1, 1990, must comply by May 1, 1993.
- 2) Facilities Operations that commenced construction before November 1, 1990, and dispense an average monthly volume of more than 100,000 gallons of motor fuel per month must comply by November 1, 1993.
- 3) Facilities Operations that commenced construction before November 1, 1990, and dispense an average monthly volume of less than 100,000 gallons of motor fuel per month must comply by November 1, 1994.
- 4) New facilities operations constructed after the adoption of this Section shall comply with the requirements of subsection (c) above upon startup of the facility operation.
- 5) Existing facilities operations previously exempted from but which become subject to the requirements of subsection (c) above after May 1, 1993 shall comply with the requirements of subsection (c) above within six calendar months of the date from which the facility operation becomes subject.
- e) Any gasoline dispensing facility operation that becomes subject to the provisions of subsection (c) above at any time shall remain subject to the provisions of subsection (c) above at all times.
- f) Upon request by the Agency, the owner or operator of a gasoline dispensing facility operation which claims to be exempt from the requirements of this Section shall submit records to the Agency within 30 calendar days from the date of the request which demonstrate that the gasoline dispensing facility operation is in fact exempt.
- g) Recordkeeping and reporting:
 - 1) Any gasoline dispensing facility operation subject to subsection (c) above shall retain at the facility operation copies of the registration information required at subsection (h) below.

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- 2) Records and reports required pursuant to this subsection shall be made available to the Agency upon request. Records and reports which shall be maintained by the owner or operator of the gasoline dispensing facility operation shall clearly demonstrate:
 - A) That a certified vapor collection and control system has been installed and tested to verify its performance according to its specifications.
 - B) That proper maintenance has been conducted in accordance with the manufacturer's specifications and requirements.
 - C) The time period and duration of all malfunctions of the vapor collection and control system.
 - D) The motor vehicle fuel throughput of the facility operation for each calendar month of the previous year.
 - E) That operators and employees are trained and instructed in the proper operation and maintenance of the vapor collection and control system and informed as to the potential penalties associated with the violation of any provision of this Section.
- Any gasoline dispensing facility operation subject to subsection (c) above shall be exempt from the permit requirements specified under 35 Ill. Adm. Code 201.142, 201.143 and 201.144 of this Part for its vapor collection and control systems, provided that:
- 1) Upon the installation of a vapor collection and control system, the owner or operator of the gasoline dispensing facility operation submits to the Agency a registration which provides at minimum the facility operation name and address, signature of the owner or operator, the CARB Executive Order Number for the vapor collection and control system to be utilized, the number of nozzles (excluding diesel or kerosene) used for motor vehicle refueling, the monthly average volume of motor vehicle fuel dispensed, the

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location (including contact person's name, address, and telephone number) of records and reports required by this Section, and the date of completion of installation of the vapor collection and control system.

2) The registration is submitted to the Agency within 30 days of completion of such installation.

3) A copy of the registration information is maintained at the gasoline dispensing facility operation.

4) Upon the modification of an existing vapor collection and control system, the owner or operator of the gasoline dispensing facility operation submits to the Agency a registration that details the changes to the information provided in the previous registration of the vapor collection and control system and which includes the signature of the owner or operator. The registration must be submitted to the Agency within 30 days of completion of such modification.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART 2: DRY CLEANERS

Section 219.601 Perchloroethylene Dry Cleaners

The owner or operator of a dry cleaning facility operation which uses perchloroethylene shall:

- a) Vent the entire dryer exhaust through a properly designed and functioning carbon adsorption system or equally effective control device; and
- b) Emit no more than 100 ppmv of VOM from the dryer control device before dilution, or achieve a 90 percent average reduction before dilution; and
- c) Immediately repair all components found to be leaking liquid VOM; and
- d) Cook or treat all diatomaceous earth filters so that the residue contains 25 kg (55 lb) or less of volatile organic material per 100 kg (220 lb) of wet waste material; and

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e) Reduce the VOM from all solvent stills to 60 kg (132 lb) or less per 100 kg (220 lb) of wet waste material; and

f) Drain all filtration cartridges in the filter housing or other sealed container for at least 24 hours before discarding the cartridges; and

g) Dry all drained filtration cartridges in equipment connected to an emission reduction system or in a manner that will eliminate emission of volatile organic material to the atmosphere.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.602 Exemptions

The provisions of Section 219.601 are not applicable to perchloroethylene dry cleaning operations which are coin-operated or to dry cleaning facilities operation consuming less than 30 gal per month (360 gal per year) of perchloroethylene.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.603 Leaks

The presence of leaks shall be determined for purposes of Section 219.601(c) of this Part by a visual inspection of the following: hose connections, unions, couplings and valves; machine door gaskets and seatings; filter head gasket and seating; pumps; base tanks and storage containers; water separators; filter sludge recovery; distillation unit; diverter valves; saturated lint from lint baskets; and cartridge filters.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.604 Compliance Dates (Repealed)

Every owner or operator of an emission source previously subject to 35 Ill. Adm. Code 215, Subpart 2, shall have complied with its standards and limitations in accordance with the applicable dates set forth in 35 Ill. Adm. Code 215.604.

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 219.605 Compliance Plan (Repealed)

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- a) ~~The owner or operator of an emission source subject to this Subpart shall have submitted to the Agency a compliance plan, pursuant to 35 Ill. Adm. Code 201.7 Subpart H, including a project completion schedule where applicable, no later than, for Section 219.601(a) and (b), April 21, 1983.~~
- b) ~~Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source may operate the emission source according to the plan and schedule as submitted.~~
- e) ~~The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.7 Subpart H, including specific interim dates as required in 35 Ill. Adm. Code 201.242.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 219.606 Exception to Compliance Plan (Repealed)

~~Coin-operated dry cleaning operations and dry cleaning facilities consuming less than 30 gal per month (360 gal per year) of perchloroethylene are not required to submit or obtain an Agency approved compliance plan or project completion schedule.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 219.608 Operating Practices for Petroleum Solvent Dry Cleaners

In order to minimize fugitive solvent emissions, the owner or operator of a petroleum solvent dry cleaning facility source shall employ good housekeeping practices including the following:

a) General Housekeeping Requirements

- 1) Equipment containing solvent (washers, dryers, extractors and filters) shall remain closed at all times except during load transfer and maintenance. Lint filter and button trap covers shall remain closed except when solvent-laden material is being removed.
- 2) Cans, buckets, barrels and other containers of solvent or of solvent-laden material shall be covered except when in use.

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- 3) Solvent-laden material shall be exposed to the atmosphere only for the minimum time necessary for load transfer.
- b) Installation and operation of equipment:
 - 1) All cartridge filters shall be enclosed and operated in accordance with the procedures and specifications recommended by the manufacturer for the cartridge filter. After installation, the cartridges shall be inspected, monitored and maintained in accordance with the manufacturer's recommendations; and
 - 2) Vents on containers for new solvent and for solvent-containing waste shall be constructed and maintained so as to minimize solvent vapor emissions. Criteria for the minimization of solvent vapor emissions include the elimination of solvent buckets and barrels standing open to the atmosphere, and the repair of gaskets and seals that expose solvent-rich environments to the atmosphere, to be determined through visual inspection.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.609 Program for Inspection and Repair of Leaks

- a) The owner or operator of a petroleum solvent dry cleaning facility source shall conduct the following visual inspections on a weekly basis:

- 1) Washers, dryers, solvent filters, settling tanks, vacuum stills and containers and conveyors of petroleum solvent shall be inspected for visible leaks of solvent liquid.
- 2) Pipes, hoses and fittings shall be inspected for active dripping or dampness.
- 3) Pumps and filters shall be inspected for leaks around seals and access covers.
- 4) Gaskets and seals shall be inspected for wear and defects.
- b) Leaks of petroleum solvent liquid and vapors shall be

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repaired within three working days of detection, unless necessary replacement parts are not on site.

- 1) If necessary, repair parts shall be ordered within three working days of detection of the leak.
- 2) The leak shall be repaired within three days of delivery of necessary parts.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.610 Testing and Monitoring

- a) Compliance with Sections 219.607(b)(2), 219.608 and 219.609 of this Part shall be determined by visual inspection; and
- b) Compliance with Sections 219.607(a)(2) and (b)(1) of this Part shall be determined by methods described in EPA-450/3-82-009 (1982) incorporated by reference in Section 219.112 of this Part.
- c) If a control device is used to comply with Section 219.607(a)(1) of this Part, then compliance shall be determined using 40 CFR 60 Appendix A, Method 25 (1984) incorporated by reference in Section 219.112 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.611 Exemption for Petroleum Solvent Dry Cleaners

The provisions of Sections 219.607 through 219.610 of this Part shall not apply to petroleum solvent dry cleaning facilities ~~sources~~ whose emissions of volatile organic material do not exceed 91 Mg (100 tons) per year in the absence of pollution control equipment or whose emissions of VOM, as limited by the operating permit, will not exceed 91 Mg (100 tons) per year in the absence of pollution control equipment.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.612 Compliance Dates (Repealed)

~~Owners and operators of emission sources subject to 35 Ill. Adm. Code 215.607 through 215.609 as of December 31, 1987 shall have complied with the requirements set forth therein no later than December 31, 1987.~~

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(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 219.613 Compliance Plan (Repealed)

- a) ~~The owner or operator of an emission source formerly subject to 35 Ill. Adm. Code 215.610(a) as of May 31, 1987 shall have submitted to the Agency a compliance plan, including a project completion schedule where applicable, no later than May 31, 1987.~~

- b) ~~The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

SUBPART AA: PAINT AND INK MANUFACTURING

Section 219.620 Applicability

- a) This ~~subpart~~ shall apply to all paint and ink manufacturing ~~plants~~ sources which:

- 1) Include process emission ~~sources~~ units not subject to Subparts B, E, F (excluding Section 219.204(l) of this Part), H (excluding Section 219.405 of this Part), Q, R, S, T (excluding Section 219.486 of this Part), V, X, Y, ~~or Z~~ or BB of this Part; and which as a group both:

- A) ~~have~~ maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- B) ~~are~~ not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable ~~emission~~ permit or a SIP revision, or
- 2) Produce more than 7,570,820 l (2,000,000 gal) per calendar year of paint or ink formulations, which contain less than 10 percent (by weight) water, and ink formulations not containing as the primary solvents water, Methyl oil or glycol.

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- b) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 219.621 Exemption for Waterbase Material and Heatset-Offset Ink

The requirements of Sections 219.624 and 219.625 and Section 219.628(a) of this Part shall not apply to equipment while it is being used to produce either:

- a) paint or ink formulations which contain 10 percent or more (by weight) water, or
- b) inks containing Magie oil and glycol as the primary solvent.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 219.623 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plantsource or an emission sourceunit from this Subpart.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 219.624 Open-Top Mills, Tanks, Vats or Vessels

No person shall operate an open-top mill, tank, vat or vessel with a volume of more than 45 l (12 gal) for the production of paint or ink unless:

- a) The mill, tank, vat or vessel is equipped with a cover which completely covers the mill, tank, vat or vessel opening except for an opening no larger than necessary to allow for safe clearance for a mixer shaft. Such cover shall extend at least 1.27 cm (0.5 in.) beyond the outer rim of the opening or be attached to the rim.
- b) The cover remains closed except when production, sampling, maintenance or inspection procedures require access.
- c) The cover is maintained in good condition such that, when in place, it maintains contact with the rim of the

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opening for at least 90 percent of the circumference of the rim.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 219.628 Leaks

The owner or operator of a paint or ink manufacturing plantsource shall, for the purpose of detecting leaks, conduct an equipment monitoring program as set forth below:

- a) Each pump shall be checked by visual inspection each calendar week for indications of leaks, that is, liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, the pump shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected.
- b) Any pump, valve, pressure relief valve, sampling connection, open-ended valve and flange or connector containing a fluid which is at least 10 percent VOM by weight which appears to be leaking on the basis of sight, smell or sound shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected.
- c) A weather proof, readily visible tag, in bright colors such as red or yellow, bearing an identification number and the date on which the leak was detected shall be attached to leaking equipment. The tag may be removed upon repair, that is, when the equipment is adjusted or otherwise altered to allow operation without leaking.
- d) When a leak is detected, the owner or operator shall record the date of detection and repair and the record shall be retained at the plantsource for at least two years from the date of each detection or each repair attempt. The record shall be made available to any person upon verbal or written request during business hours.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

Section 219.636 Compliance Schedule

Every owner or operator of an ~~emission~~ source subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section

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219.106 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.637 Recordkeeping and Reporting

- a) Upon request by the Agency, the owner or operator of an emission source which claims to be exempt from the requirements of this Subpart shall submit records to the Agency within 30 calendar days from the date of the request which document that the emission source is in fact exempt from this Subpart. These records shall include (but are not limited to) the percent water (by weight) in the paint or ink being produced and the quantity of Magie oil, glycol and other solvents in the ink being produced.

- b) Every owner or operator of an emission source which is subject to the requirements of this Subpart shall maintain all records necessary to demonstrate compliance with those requirements at the facility source for three years.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART BB: POLYSTYRENE PLANTS

Section 219.875219.640 Applicability of Subpart BB

The provisions of this Subpart shall apply to polystyrene plants:

- a) Which use continuous processes to manufacture polystyrene - polybutadiene co-polymer; and
- b) Which fall within Standard Industrial Classification Group No. 282, Industry No. 2821, except that the manufacture of polystyrene resins need not be the primary manufacturing process at the plant.

(Source: Renumbered from Section 219.875 and amended at ___ Ill. Reg. ___, effective ___)

Section 219.877219.642 Emissions Limitation at Polystyrene Plants

No person shall cause or allow the emissions of VOM from the material recovery section to exceed 0.12 kg of VOM per 1000 kg of polystyrene resin produced.

(Source: Renumbered from Section 219.877 at ___ Ill. Reg. ___, effective ___)

Section 219.886219.644 Emissions Testing

- a) Upon a reasonable request by the Agency, the owner or operator of a polystyrene plant subject to this Subpart shall at his own expense demonstrate compliance by use of the following method: 40 CFR 60, Appendix A, Method 25 - Determination of Total Gaseous Non-Methane Organic Emissions as Carbon (1984), incorporated by reference in Section 219.112 of this Part.

- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so the Agency may observe the test.

(Source: Renumbered from Section 219.886 and amended at ___ Ill. Reg. ___, effective ___)

Section 219.875 Applicability of Subpart BB (Renumbered)

(Source: Renumbered to Section 219.640 at ___ Ill. Reg. ___, effective ___)

Section 219.877 Emissions Limitation at Polystyrene Plants (Renumbered)

(Source: Renumbered to Section 219.642 at ___ Ill. Reg. ___, effective ___)

Section 219.879 Compliance Date (Repealed)

Every owner and operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart BB, as of December 31, 1987, shall have complied with its standards and limitations by December 31, 1987.

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 219.881 Compliance Plan (Repealed)

- a) The owner or operator of an emission source formerly subject to the requirements of 35 Ill. Adm. Code 215 Subpart BB shall have submitted to the Agency a compliance plan in accordance with 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule

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~~on or before December 1, 1987.~~

- b) ~~Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source subject to this Subpart may operate the emission source according to the plan and schedule as submitted.~~

- e) ~~The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H and Section 219.883.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 219.883 Special Requirements for Compliance Plan
(Repealed)

~~For sources subject to this Subpart, an approvable compliance plan shall include:~~

- a) ~~A description of each process which is subject to an emissions limitation;~~
- b) ~~Quantification of the emissions from each process;~~
- e) ~~A description of the procedures and methods used to determine the emissions of VOM;~~
- d) ~~A description of the methods which will be used to demonstrate compliance with the allowable plantwide emission limitation (Section 215.877), including a method of inventory, recordkeeping and emission calculation or measurement.~~

(Source: Repealed at ___ Ill. Reg. ___, effective ___)

Section 218.886 Emissions Testing (Renumbered)

(Source: Renumbered to Section 218.644 at ___ Ill. Reg. ___, effective ___)

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT
MANUFACTURING PROCESSES

Section 219.920 Applicability

- a) The requirements of this Subpart shall apply to a plant's ~~resource's~~ miscellaneous fabricated product manufacturing process emission ~~sources~~ units which are

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not included within any of the ~~source~~ categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, ~~or Z or BB~~ if the ~~plantsource~~ is subject to this Subpart. A ~~plantsource~~ is subject to this Subpart if it contains process emission ~~sources~~ units, not regulated by Subparts B, E, F (excluding Section 219.204(1) of this Part), H (excluding Section 219.405 of this Part), Q, R, S, T, ~~(excluding Section 219.486 of this Part)~~, V, X, Y, ~~or Z or BB~~ of this Part; which as a group both:

- 1) ~~Have~~ maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) ~~are~~ not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable ~~construction~~ permit or a SIP revision.

- b) If a ~~plantsource~~ ceases to fulfill the criteria of subsection (a) ~~above~~, the requirements of this Subpart shall continue to apply to a miscellaneous fabricated products manufacturing process emission ~~source~~ unit which was ever subject to the control requirements of Section 219.926 of this Part.

- c) No limits under this Subpart shall apply to emission ~~sources~~ units with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such ~~sources~~ emission units not complying with Section 219.926 of this Part does not exceed 4.5/Mg (5.0 tons) per calendar year.

- d) For the purposes of this Subpart, an emission ~~source~~ unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission ~~source~~ unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. ~~its emissions are below the applicability cutoff level or if the source is covered by an exemption.~~

- e) For the purposes of this Subpart, uncontrolled VOM

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emissions are the emissions of VOM which would result if no air pollution control equipment were used.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.923 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plantsource or an emission sourceunit from this Subpart.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.926 Control Requirements

Every owner or operator of an ~~emission~~ source miscellaneous fabricated product manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) of this Section:

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 219.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating as applied (minus water and any compounds which are specifically exempted from the definition of VOM) during any day. Owners and operators complying with this Section are not required to comply with Section 219.301 of this Part, or

- c) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.927 Compliance Schedule

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Every owner or operator of an emission ~~sourceunit~~ subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 219.106 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.928 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.926 of this Part, the owner or operator of a VOM emission ~~sourceunit~~ subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105 of this Part.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

Section 219.940 Applicability

- a) The requirements of this Subpart shall apply to a ~~plantsource's~~ miscellaneous formulation manufacturing process emission ~~sourceunits~~, which are not included within any of the ~~source~~ categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, ~~or~~ Z or BB of this Part if the ~~plantsource~~ is subject to this Subpart. A ~~plantsource~~ is subject to this Subpart if it contains process emission ~~sourceunits~~, not regulated by Subparts B, E, F (excluding Section 219.204(l) of this Part), H (excluding Section 219.405 of this Part), Q, R, S, T (excluding Section 219.486 of this Part), V, X, Y, ~~or~~ Z or BB of this Part; which as a group both:

- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and

- 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through

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production or capacity limitations contained in a federally enforceable ~~construction~~ permit or a SIP revision.

- b) If a plantsource ceases to fulfill the criteria of subsection (a) of this Section, the requirements of this Subpart shall continue to apply to a miscellaneous formulation manufacturing process emission ~~source~~ unit which was ever subject to the control requirements of Section 219.946 of this Part.

- c) No limits under this Subpart shall apply to emission ~~source~~ units with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such ~~source~~s emission units not complying with this Section does not exceed 4.5 Mg (5.0 tons) per calendar year.

- d) For the purposes of this Subpart, an emission ~~source~~ unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission ~~source~~ unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. ~~its emissions are below the applicability cutoff level or if the source is covered by an exemption.~~

- e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 219.943 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plantsource or an emission ~~source~~ unit from this Subpart.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 219.946 Control Requirements

Every owner or operator of an ~~emission source~~ miscellaneous formulation manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a) or

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(b) below.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60. incorporated by reference in Section 219.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 219.947 Compliance Schedule

Every owner or operator of an emission ~~source~~ unit subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 219.106 of this Part.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

Section 219.948 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.946 of this Part, the owner or operator of a VOM emission ~~source~~ unit subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105 of this Part.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

(Source: Amended at ___ Ill. Reg. ___, effective _____)

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL
MANUFACTURING PROCESSES

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Section 219.960

Applicability

a) The requirements of this Subpart shall apply to a ~~plant's~~ ~~source's~~ miscellaneous organic chemical manufacturing process emission ~~source~~ units which are not included within any of the ~~source~~ categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, ~~Z~~ or BB of this Part, if the ~~plant~~ ~~source~~ is subject to this Subpart. A ~~plant~~ ~~source~~ is subject to this Subpart if it contains process emission ~~source~~ units, not regulated by Subparts B, E, F (excluding Section 219.204(1) of this Part), H (excluding Section 219.405 of this Part), Q, R, S, T (excluding Section 219.486 of this Part) V, X, Y, ~~Z~~ or BB of this Part; which as a group both:

- 1) ~~have~~ maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) ~~are~~ not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable ~~construction~~ permit or a SIP revision.

b) If a ~~plant~~ ~~source~~ ceases to fulfill the criteria of Subsection (a) of this Section, the requirements of this Subpart shall continue to apply to a miscellaneous organic chemical manufacturing process emission ~~source~~ unit which was ever subject to the control requirements of Section 219.966 of this Part.

c) No limits under this Subpart shall apply to emission ~~source~~ units with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such ~~source~~ emission units not complying with Section 219.966 of this Part does not exceed 4.5 Mg (5.0 tons) per calendar year.

d) For the purposes of this Subpart, an emission ~~source~~ unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission ~~source~~ unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart. ~~e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart~~

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are not met. ~~its emissions are below the applicability cutoff level or if the source is covered by an exemption.~~

- e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 219.963 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the ~~plant~~ ~~source~~ or an emission ~~unit~~ from this Subpart.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 219.966 Control Requirements

Every owner or operator of an ~~emission source~~ miscellaneous organic chemical manufacturing process emission unit, subject to this Subpart shall comply with the requirements of subsection (a) or (b) below.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 219.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

c) Any leaks from components subject to the control requirements of this Subpart shall be subject to the following control measures:

- 1) Repair any component from which a leak of VOM can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the

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leak is found, unless the leaking component cannot be repaired until the process unit is shut down. in which case the leaking component must be repaired before the unit is restarted.

- 2) For any leak which cannot be readily repaired within one hour after detection, the following records, as set forth in this subsection, shall be kept. These records shall be maintained by the owner or operator for a minimum of two years after the date on which they are made. Copies of the records shall be made available to the Agency or USEPA upon verbal or written request.

- A) The name and identification of the leaking component;
- B) The date and time the leak is detected;
- C) The action taken to repair the leak; and
- D) The date and time the leak is repaired.

(Source: Amended at ___ Ill. Reg. ____, effective ____)
Section 219.967 Compliance Schedule

Every owner or operator of an emission ~~source~~unit subject to the control requirements of this Subpart shall comply with the requirements of this Subpart on and after a date consistent with Section 219.106 of this Part.

(Source: Amended at ___ Ill. Reg. ____, effective ____)
Section 219.968 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.966 of this Part, the owner or operator of a VOM emission ~~source~~unit subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105 of this Part.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

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- 2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 219.401 of this Part and complying by means of Section 219.401(c) of this Part shall collect and record all of the following information each day for each printing line and maintain the information at the facility for a period of three years:

- A) Control device monitoring data.
- B) A log of operating time for the capture system, control device, monitoring equipment and the associated printing line.
- C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

- 3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 219.401(c) of this Part, shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 219.401 of this Part from Section 219.401(c) to Section 219.401(a) or (b) of this Part, the owner or operator shall comply with all requirements of subsection (c)(1) or (d)(1) of this Section, respectively. Upon changing the method of compliance with Section 219.401 of this Part from Section 219.401(c) to Section 219.401(a) or (b) of this Part, the owner or operator shall comply with all requirements of subsection (c) or (d) of this Section, respectively.

(Source: Amended at ___ Ill. Reg. ____, effective ____)

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(Source: Amended at ___ Ill. Reg. ___, effective ___)

SUBPART TT: OTHER EMISSION SOURCES UNITS

Section 219.980 Applicability

- a) The requirements of this Subpart shall apply to a plant-source's VOM emission source units, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, Z, AA, BB, PP, QQ, or RR of this Part, or are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146, if the plant-source is subject to this Subpart. A plant-source is subject to this Subpart if it contains process emission source units, not regulated by Subparts B, E, F (excluding Section 219.204(1) of this Part), H (excluding Section 219.405 of this Part), Q, R, S, T, (excluding Section 218.486 of this Part), V, X, Y or Z or BB of this Part, which as a group both:

- 1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction or operating permit or a SIP revision.

- b) If a plant-source ceases to fulfill the criteria of subsection (a) of this Section, the requirements of this Subpart shall continue to apply to an emission source unit which was ever subject to the control requirements of Section 219.986 of this Part.

- c) No limits under this Subpart shall apply to emission source units with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such source emission unit not complying with Section 219.986 of this Part does not exceed 4.5 Mg (5.0 tons) per calendar year.

- d) For the purposes of this Subpart, an emission source unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission

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source unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met. ~~its emissions are below the applicability cutoff level or if the source is covered by an exemption.~~

- e) The control requirements in Subparts PP, QQ, RR, SS and TT shall not apply to sewage treatment plants; vegetable oil extraction and processing plants; coke ovens (including by-product recovery plants); fuel combustion sources; bakeries; barge loading facilities; jet engine test cells; pharmaceutical manufacturing production of polystyrene foam insulation board (including storage and extrusion of scrap) where blowing agent is added to the polystyrene resin at the plant source, but not including blending and preliminary expansion of resin prior to molding where a blowing agent is incorporated into the polystyrene resin by the producer of the resin; production of polystyrene foam packaging (not including blending and preliminary expansion of resin prior to molding where blowing agent is incorporated into the polystyrene resin by the producer of the resin; and storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the plant source); and iron and steel production.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.983 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant source or an emission source unit from this Subpart.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.986 Control Requirements

Every owner or operator of an emission source unit subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) below.

- a) Emission capture and control equipment which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

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(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 219.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied during any day. Owners and operators complying with this Section are not required to comply with Section 219.301 of this Part, or
- c) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.
- d) Non-contact process water cooling towers which are subject to the control requirements of this Subpart shall comply with the following control measures no later than August 15, 1994 or upon initial startup:

- 1) The owner or operator of a non-contact process water cooling tower shall perform the following actions to control emissions of volatile organic material (VOM) from such a tower:
 - A) Inspect and monitor such tower to identify leaks of VOM into the water, as further specified in subsection (d)(3) below;
 - B) When a leak is identified, initiate and carry out steps to identify the specific leaking component or components as soon as practicable, as further specified in subsection (d)(4) below.
 - C) When a leaking component is identified which:
 - i) Can be removed from service without disrupting production, remove the component from service;
 - ii) Cannot be removed from service without disrupting production, undertake repair

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of the component at the next reasonable opportunity to do so including any period when the component is out of service for scheduled maintenance, as further specified in subsection (d)(4) below;

- D) Maintain records of inspection and monitoring activities, identification of leaks and leaking components, elimination and repair of leaks, and operation of equipment as related to these activities, as further specified in subsection (d)(5) below.
- 2) A VOM leak shall be considered to exist in a non-contact process water cooling water system if the VOM emissions or VOM content exceed background levels as determined by monitoring conducted in accordance with subsection (d)(3)(A) below.
- 3) The owner or operator of a non-contact process water cooling tower shall carry out an inspection and monitoring program to identify VOM leaks in the cooling water system.
 - A) The owner or operator of a non-contact process water cooling tower shall submit to the Agency a proposed monitoring program, accompanied by technical justification for the program, including justification for the sampling location(s), parameter(s) selected for measurement, monitoring and inspection frequency, and the criteria used relative to the monitored parameters to determine whether a leak exists as specified in subsection (d)(2) above.
 - B) This inspection and monitoring program for non-contact process water cooling towers shall include, but shall not be limited to:
 - i) Monitoring of each such tower with a water flow rate of 25,000 gallons per minute or more at a petroleum refinery at least weekly and monitoring of other towers at least monthly;
 - ii) Inspection of each such tower at least

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weekly if monitoring is not performed at least weekly.

C) This inspection and monitoring program shall be carried out in accordance with written procedures which the Agency shall specify as a condition in a federally enforceable operating permit. These procedures shall include the VOM background levels for the cooling tower as established by the owner or operator through monitoring; describe the locations at which samples will be taken; identify the parameter(s) to be measured; the frequency of measurements, and the procedures for monitoring each such tower, that is, taking of samples and other subsequent handling and analyzing of samples; provide the criteria used to determine that a leak exists as specified in subsection (d)(2) above; and describe the records which will be maintained.

D) A non-contact process water cooling tower is exempt from the requirements of subsections (d)(3)(B) and (d)(3)(C) above, if all equipment, where leaks of VOM into cooling water may occur, is operated at a minimum pressure in the cooling water of at least 35 kPa greater than the maximum pressure in the process fluid.

4) The repair of a leak in a non-contact process water cooling tower shall be considered to be completed in an acceptable manner as follows:

A) Efforts to identify and locate the leaking components are initiated as soon as practicable, but in no event later than three days after detection of the leak in the cooling water tower.

B) Leaking components shall be repaired or removed from service as soon as possible but no later than 30 days after the leak in the cooling water tower is detected, unless the leaking components cannot be repaired until the next scheduled shutdown for maintenance.

5)

The owner or operator of a non-contact process water cooling tower shall keep records as set forth below in this subsection. These records shall be retained at a readily accessible location at the source and shall be available for inspection and copying by the Agency for at least 3 years:

A) Records of inspection and monitoring activity;

B) Records of each leak identified in such tower, with date, time and nature of observation or measured level of parameter;

C) Records of activity to identify leaking components, with date initiated, summary of components inspected with dates, and method of inspection and observations;

D) Records of activity to remove a leaking component from service or repair a leaking component, with date initiated and completed, description of actions taken and the basis for determining the leak in such tower has been eliminated. If the leaking component is not identified, repaired or eliminated within 30 days of initial identification of a leak in such tower, this report shall include specific reasons why the leak could not be eliminated sooner including all other intervening periods when the process unit was out of service, actions taken to minimize VOM losses prior to elimination of the leak and any actions taken to prevent the recurrence of a leak of this type.

6) The owner or operator of a non-contact process water cooling tower shall submit an annual report to the Agency which provides:

A) The number of leaks identified in each cooling tower;

B) A general description of activity to repair or eliminate leaks which were identified;

C) Identification of each leak which was not

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repaired in 30 days from the date of identification of a leak in such a tower, with description of the leaks, explanation why the leak was not repaired in 30 days;

D) Identification of any periods when required inspection and monitoring activities were not carried out.

e) Any leaks from components subject to the control requirements of this Subpart shall be subject to the following control measures:

11. Repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found, unless the leaking component cannot be repaired until the process unit is shut down, in which case the leaking component must be repaired before the unit is restarted.

21) For any leak which cannot be readily repaired within one hour after detection, the following records, as set forth below in this subsection, shall be kept. These records shall be maintained by the owner or operator for a minimum of two years after the date on which they are made. Copies of the records shall be made available to the Agency or USEPA upon verbal or written request.

A) The name and identification of the leaking component;

B) The date and time the leak is detected;

C) The action taken to repair the leak; and

D) The date and time the leak is repaired.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.987 Compliance Schedule

Every owner or operator of an emissions ~~source~~unit which is subject to this Subpart shall comply with the requirements of this Subpart on and after a date consistent with Section 219.106 of this Part.

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(Source: Amended at ___ Ill. Reg. ___, effective ___)

a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.986 of this Part, the owner or operator of a VOM emission ~~source~~unit subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.

b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

(Source: Amended at ___ Ill. Reg. _____, effective _____)

SUBPART UU: ~~RECORDKEEPING AND REPORTING FOR NON-ETC SOURCES~~

Section 219.990 Exempt Emission SourcesUnits

Upon request by the Agency, the owner or operator of an emission unit source which is exempt from the requirements of Subparts PP, QQ, RR, TT or Section 219.208(b) of this Part shall submit records to the Agency within 30 calendar days from the date of the request that document that the emission unit source is exempt from those requirements.

(Source: Amended at ___ Ill. Reg. _____, effective _____)

Section 219.991	Subject	Emission	Sources	Units
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a) Any owner or operator of a VOM emission source unit which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by the use of emission capture and control equipment shall comply with the following:

1) By a date consistent with Section 219.106 of this part, or upon initial start-up of a new emission ~~sourceunit~~, the owner or operator of the subject VOM emission ~~sourceunit~~ shall demonstrate to the Agency that the subject emission ~~sourceunit~~ will be in compliance on and after a date consistent with Section 219.106 of this part, or on and after the initial start-up date by submitting to the Agency all calculations and other supporting data, including descriptions and

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results of any tests the owner or operator may have performed.

- 2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject VOM ~~emission~~ source shall collect and record all of the following information each day and maintain the information at the ~~facility~~ source for a period of three years:

- A) Control device monitoring data.
 - B) A log of operating time for the capture system, control device, monitoring equipment and the associated emission source.
 - C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- 3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject VOM ~~emission~~ source shall notify the Agency in the following instances:

- A) Any record showing a violation of the requirements of Subpart PP, QQ, RR or TT shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b) (1) of this Section. Upon changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b) of this Section.

- 4) A) When in the opinion of the Agency it is

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necessary to conduct testing to demonstrate compliance with this Subpart, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105 of this Part.

- B) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

- b) Any owner or operator of a coating line which is subject to the requirements of Subpart PP or TT and complying by means of the daily-weighted average VOM content limitation shall comply with the following:

- 1) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a coating line subject to Subpart PP or TT, the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating line which will comply by means of the daily-weighted average VOM content limitation.
- B) The name and identification number of each coating as applied on each coating line.
- C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.
- E) The method by which the owner or operator will create and maintain records each day as

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required in subsection (b) (2).

- F) An example of the format in which the records required in subsection (b) (2) of this Section will be kept.

- 2) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the facility source for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- C) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 219.104 of this Part.

- 3) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject coating line shall notify the Agency in the following instances:

- A) Any record showing violation of the requirements of Subpart PP or TT shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of complying coatings to the use of capture systems and control devices, the owner or operator shall comply with all requirements of subsection (a) (1) of this Section. Upon changing the method of compliance with Subpart PP or TT from the use of complying coatings to the use of capture systems and control devices, the owner or

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operator shall comply with all requirements of subsection (a) of this Section.

- c) Any owner or operator of a VOM emission source which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by means of an alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision shall comply with the recordkeeping and reporting requirements specified in the alternative control plan.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

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Section 219. APPENDIX A

LIST OF CHEMICALS DEFINING SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING

CAS No. *	Chemical
105-57-7	Acetal
75-07-0	Acetaldehyde
107-89-1	Acetalol
60-35-5	Acetamide
103-84-4	Acetanilide
64-19-7	Acetic acid
108-24-7	Acetic anhydride
67-64-1	Acetone
75-86-5	Acetone cyanohydrin
75-05-8	Acetonitrile
98-86-2	Acetophenone
75-36-5	Acetyl chloride
74-86-2	Acetylene
107-02-8	Acrolein
79-06-1	Acrylamide
79-10-7	Acrylic acid & esters
107-13-1	Acrylonitrile
124-04-9	Adipic acid
111-69-3	Adiponitrile
107-18-6	Alkyl naphthalenes
107-05-1	Allyl alcohol
1321-11-5	Allyl chloride
111-41-1	Aminobenzoic acid
123-30-8	Aminoethylethanamine
628-63-7,	p-aminophenol
123-92-2	Amyl acetates
71-41-0	Amyl alcohols
110-58-7	Amyl amine
543-59-9	Amyl chloride
110-68-7	Amyl mercaptans
1322-06-1	Amyl phenol
62-53-3	Aniline
142-04-1	Aniline hydrochloride
29191-52-4	Anisidine
100-66-3	Anisole
118-92-3	Anthranilic acid
84-63-1	Anthraquinone
100-52-7	Benzaldehyde
55-21-0	Benzamide
71-41-2	Benzene

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98-48-6	Benzenedisulfonic acid
98-11-3	Benzenesulfonic acid
134-81-6	Benzil
76-93-7	Benzilic acid
65-85-0	Benzoic acid
119-53-9	Benzoin
100-47-0	Benzonitrile
119-61-9	Benzophenone
98-07-7	Benzotrichloride
98-88-4	Benzoyl chloride
100-51-6	Benzyl alcohol
100-46-9	Benzylamine
120-51-4	Benzyl benzoate
100-44-7	Benzyl chloride
98-87-3	Benzyl dichloride
92-52-4	Biphenyl
80-05-7	Bisphenol A
10-86-1	Bromobenzene
27497-51-4	Bromonaphthalene
106-99-0	Butadiene
106-98-9	1-butene
123-86-4	n-butyl acetate
141-32-2	n-butyl acrylate
71-36-3	n-butyl alcohol
78-92-2	s-butyl alcohol
75-65-0	t-butyl alcohol
109-71-9	n-butylamine
13952-84-6	t-butylamine
75-64-9	s-butylamine
98-73-7	p-tert-butyl benzoic acid
107-88-0	1,3-butylene glycol
123-72-8	n-butyraldehyde
107-92-6	Butyric acid
106-31-0	Butyric anhydride
109-74-0	Butyronitrile
105-60-2	Caprolactam
75-1-50	Carbon disulfide
558-13-4	Carbon tetrabromide
55-23-5	Carbon tetrachloride
9004-35-7	Cellulose acetate
79-11-8	Chloroacetic acid
108-42-9	m-chloroaniline
95-51-2	o-chloroaniline
106-47-8	p-chloroaniline
35913-09-8	Chlorobenzaldehyde
108-90-7	Chlorobenzene
118-91-2,	Chlorobenzoic acid
515-80-8,	

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74-11-3 ^c	Chlorobenzotrithloride
2136-81-4,	
2136-89-2,	
5216-25-1 ^c	
1321-03-5	Chlorobenzoyl chloride
75-45-6	Chlorodifluoroethane
25497-29-4	Chlorodifluoromethane
67-66-3	Chloroform
25586-43-0	Chloronaphthalene
88-73-3	o-chloronitrobenzene
100-00-5	p-chloronitrobenzene
25167-80-0	Chlorophenols
126-99-8	Chloroprene
7790-94-5	Chlorosulfonic acid
108-41-8	m-chlorotoluene
95-49-8	o-chlorotoluene
106-43-4	p-chlorotoluene
75-72-9	Chlorotrifluoromethane
108-39-4	m-cresol
95-48-7	o-cresol
106-44-5	p-cresol
1319-77-3	Mixed cresols
1319-77-3	Cresylic acid
4170-30-0	Crotonaldehyde
3724-65-0	Crotonic acid
98-82-8	Cumene
80-15-9	Cumene hydroperoxide
372-09-8	Cyanoacetic acid
506-77-4	Cyanogen chloride
108-80-5	Cyanuric acid
108-77-0	Cyanuric chloride
110-82-7	Cyclohexane
108-93-0	Cyclohexanol
108-94-1	Cyclohexanone
110-83-8	Cyclohexene
108-91-8	Cyclohexylamine
111-78-4	Cyclooctadiene
112-30-1	Decanol
123-42-2	Diacetone alcohol
27576-04-1	Diaminobenzoic acid
95-76-1,	Dichloroaniline
95-82-9,	
554-00-7,	
608-27-5,	
608-31-1,	
626-43-7,	
27134-27-6,	

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57311-92-9 ^c	m-dichlorobenzene
541-73-1	o-dichlorobenzene
95-50-1	p-dichlorobenzene
106-46-7	Dichlorodifluoromethane
75-71-8	Dichloroethyl ether
111-44-4	1,2-dichloroethane (EDC)
107-06-2	Dichlorohydrin
96-23-1	Dichloropropene
26952-23-8	Dicyclohexylamine
101-83-7	Diethylamine
109-89-7	Diethylene glycol
111-46-6	Diethylene glycol diethyl ether
112-36-7	Diethylene glycol dimethyl ether
111-96-6	Diethylene glycol monobutyl ether
112-34-5	Diethylene glycol monobutyl ether
124-17-7	Diethylene glycol monobutyl ether acetate
111-90-0	Diethylene glycol monoethyl ether
112-15-2	Diethylene glycol monoethyl ether acetate
111-77-3	Diethylene glycol monomethyl ether
64-67-5	Diethyl sulfate
75-37-6	Difluoroethane
25167-70-8	Diisobutylene
26761-40-0	Diisodecyl phthalate
27554-26-3	Diisooctyl phthalate
674-82-8	Diketene
124-40-3	Dimethylamine
121-69-7	N,N-dimethylaniline
115-10-6	N,N-dimethyl ether
68-12-2	N,N-dimethylformamide
57-14-7	Dimethylhydrazine
77-78-1	Dimethyl sulfate
75-18-3	Dimethyl sulfide
67-68-5	Dimethyl sulfoxide
120-61-6	Dimethyl terephthalate
99-34-3	3,5-dinitrobenzoic acid
51-28-5	Dinitrophenol
	Dinitrotolylene
123-91-1	Dioxane
646-06-0	Dioxilane
122-39-4	Diphenylamine

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101-84-4	Diphenyl oxide
102-08-9	Diphenyl thiourea
25265-71-8	Dipropylene glycol
25378-22-7	Dodecene
28675-17-4	Dodecylaniline
27193-86-8	Dodecylphenol
106-89-8	Epichlorohydrin
64-17-5	Ethanol
141-43-5 ⁶	Ethanolamines
141-78-6	Ethyl acetate
141-97-9	Ethyl acetoacetate
140-88-5	Ethyl acrylate
75-04-7	Ethylamine
100-41-4	Ethylbenzene
74-96-4	Ethyl bromide
9004-57-3	Ethylcellulose
75-00-3	Ethyl chloride
105-39-5	Ethyl chloroacetate
105-56-6	Ethylcyanoacetate
74-85-1	Ethylene
96-49-1	Ethylene carbonate
107-07-3	Ethylene chlorohydrin
107-15-3	Ethylenediamine
106-93-4	Ethylene dibromide
107-21-1	Ethylene glycol
111-55-7	Ethylene glycol diacetate
110-71-4	Ethylene glycol dimethyl ether
111-76-2	Ethylene glycol monobutyl ether
112-07-2	Ethylene glycol monobutyl ether acetate
110-80-5	Ethylene glycol monoethyl ether
111-15-9	Ethylene glycol monoethyl ether acetate
109-86-4	Ethylene glycol monoethyl ether
110-49-6	Ethylene glycol monomethyl ether acetate
122-99-6	Ethylene glycol monophenyl ether
2807-30-9	Ethylene glycol monopropyl ether
75-21-8	Ethylene oxide
60-29-7	Ethyl ether
104-76-7	2-ethylhexanol
122-51-0	Ethyl orthoformate

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95-92-1	Ethyl oxalate
41892-71-1	Ethyl sodium oxaloacetate
50-00-0	Formaldehyde
75-12-7	Formamide
64-18-6	Formic acid
110-17-8	Fumaric acid
98-01-1	Furfural
56-81-5	Glycerol (Synthetic)
26545-73-7	Glycerol dichlorohydrin
25791-96-2	Glycerol triether
56-40-6	Glycine
107-22-2	Glyoxal
118-74-1	Hexachlorobenzene
67-72-1	Hexachloroethane
36653-82-4	Hexadecyl alcohol
124-09-4	Hexamethylenediamine
629-11-8	Hexamethylene glycol
100-97-0	Hexamethylenetetramine
74-90-8	Hydrogen cyanide
123-31-9	Hydroquinone
99-96-7	p-hydroxybenzoic acid
26760-64-5	Isoamylene
78-83-1	Isobutanol
110-19-0	Isobutyl acetate
115-11-7	Isobutylene
78-84-2	Isobutyraldehyde
79-31-2	Isobutyric acid
25339-17-7	Isodecanol
26952-21-6	Isooctyl alcohol
78-78-4	Isopentane
78-59-1	Isophorone
121-91-5	Isophthalic acid
78-79-5	Isoprene
67-63-0	Isopropanol
108-21-4	Isopropyl acetate
75-31-0	Isopropylamine
75-29-6	Isopropyl chloride
25168-06-3	Isopropylphenol
463-51-4	Ketene
121-01-1	Linear alkyl sulfonate*
110-16-7	Linear alkylbenzene
108-31-6	Maleic acid
6915-15-7	Maleic anhydride
141-79-7	Malic acid
121-47-1	Mesityl oxide
79-41-4	Metanilic acid
	Methacrylic acid

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594-42-3	Perchloromethyl mercaptan
94-70-2	o-phenetidine
156-43-4	p-phenetidine
108-95-2	Phenol
98-67-9	Phenolsulfonic acids
585-38-6	
609-46-1	
133-39-7 ^c	
91-40-7 ^(b)	Phenyl anthranilic acid
75-44-5	Phenylenediamine
85-44-9	Phosgene
85-41-6	Phthalic anhydride
108-99-6	Phthalimide
110-85-0	b-picoline
9003-29-6 ^c	Piperazine
25036-29-7 ^c	Polybutenes
25322-68-3	Polyethylene glycol
25322-69-4	Polypropylene glycol
123-38-6	Propionaldehyde
79-09-4	Propionic acid
71-23-8	n-propyl alcohol
107-10-8	Propylamine
540-54-5	Propyl chloride
115-07-1	Propylene
127-00-4	Propylene chlorohydrin
78-87-5	Propylene dichloride
57-55-6	Propylene glycol
75-56-9	Propylene oxide
110-86-1	Pyridine
106-51-4	Quinone
108-46-3	Resorcinol
27138-57-4	Resorcylic acid
69-72-7	Salicylic acid
127-09-3	Sodium acetate
532-32-1	Sodium benzoate
9004-32-4	Sodium carboxymethyl cellulose
3926-62-3	Sodium chloroacetate
141-53-7	Sodium formate
139-02-6	Sodium phenate
110-44-1	Sorbic acid
100-42-5	Styrene
110-15-6	Succinic acid
110-61-2	Succinitrile
121-57-3	Sulfanilic acid
126-33-0	Sulfolane
1401-55-4	Tannic acid

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563-47-3	Methallyl chloride
67-56-1	Methanol
79-20-9	Methyl acetate
105-45-3	Methyl acetoacetate
74-89-5	Methylamine
100-61-8	n-methylaniline
74-83-9	Methyl bromide
37365-71-2	Methyl butynol
74-87-3	Methyl chloride
108-87-2	Methyl cyclohexane
1331-22-2	Methyl cyclohexanone
75-09-2	Methylene chloride
101-77-9	Methylene dianiline
101-68-8	Methylene diphenyl diisocyanate
78-93-3	Methyl ethyl ketone
107-31-3	Methyl formate
108-11-2	Methyl isobutyl carbinol
108-10-1	Methyl isobutyl ketone
80-62-6	Methyl methacrylate
77-75-8	Methylpentynol
98-83-9	B-methylstyrene
110-91-8	Morpholine
85-47-2	a-naphthalene sulfonic acid
120-18-3	B-naphthalene sulfonic acid
90-15-3	a-naphthol
135-19-3	B-naphthol
75-98-9	Neopentanoic acid
88-74-4	o-nitroaniline
100-01-6	p-nitroaniline
91-23-6	o-nitroanisole
100-17-4	p-nitroanisole
98-95-3	Nitrobenzene
27178-83-2 ^c	Nitrobenzoic acid (o, m & p)
79-24-3	Nitroethane
75-52-5	Nitromethane
88-75-5	Nitrophenol
25322-01-4	Nitropropane
1321-12-6	Nitrotoluene
27215-95-8	Nonene
25154-52-3	Nonylphenol
27193-28-8	Octylphenol
123-63-7	Paraldehyde
115-77-5	Pentaerythritol
109-66-0	n-pentane
109-67-1	1-pentene
127-18-4	Perchloroethylene

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100-21-0	Terephthalic acid
79-34-5 ^c	Tetrachloroethanes
117-08-8	Tetrachlorophthalic anhydride
78-00-2	Tetraethyllead
119-64-2	Tetrahydronaphthalene
85-43-8	Tetrahydrophthalic anhydride
75-74-1	Tetramethyllead
110-60-1	Tetramethylenediamine
110-18-9	Tetramethylethylenediamine
108-88-3	Toluene
95-80-7	Toluene-2,4-diamine
584-84-9	Toluene-2,4-diisocyanate
26471-62-5	Toluene diisocyanates (mixture)
1333-07-9	Toluene sulfonamide
104-15-4 ^c	Toluenesulfonic acids
98-59-9	Toluene sulfonyl chloride
26915-12-8	Toluidines
87-61-6	Trichlorobenzenes
108-70-3	1,1,1-trichloroethane
120-82-1 ^c	1,1,2-trichloroethane
71-55-6	Trichloroethylene
79-00-5	Trichlorofluoromethane
79-01-6	1,2,3-trichloropropane
75-69-4	1,1,2-trichloro-1,2,2-trifluoroethane
96-18-4	Triethylamine
76-13-1	Triethylene glycol
121-44-8	Triethylene glycol dimethyl ether
112-27-6	Triisobutylene
112-49-2	Trimethylamine
7756-94-7	Urea
75-50-3	Vinyl acetate
57-13-6	Vinyl chloride
108-05-4	Vinylidene chloride
75-01-4	Vinyl toluene
75-35-4	Xylenes (mixed)
25013-15-4	o-xylene
1330-20-7	p-xylene
95-47-6	Xylenol
106-42-3	Xylidine
1300-71-6	methyl tert-butyl ether
1300-73-8	Polyethylene
^{b)}	Polypropylene
9002-82-4	
^{b)}	

9009-53-6 Polystyrene

- a) CAS numbers refer to the Chemical Abstracts Registry numbers assigned to specific chemicals, isomers or mixtures of chemicals. Some isomers or mixtures that are covered by the standards do not have CAS numbers assigned to them. The standards apply to all of the chemicals listed, whether CAS numbers have been assigned or not.
- b) No CAS number(s) have been assigned to this chemical, to its isomers, or mixtures containing these chemicals.
- c) CAS numbers for some of the isomers are listed: the standards apply to all of the isomers and mixtures, even if CAS numbers have not been assigned.

(Source: Amended at ___ Ill. Reg. ____, effective _____)

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Section 219, APPENDIX B

VOM MEASUREMENT TECHNIQUES FOR CAPTURE EFFICIENCY

Procedure G.1 - Captured VOEM Emissions

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the volatile organic compounds (VOEM) content of captured gas streams. It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOEM capture efficiency (CE) for surface coating and painting operations. The procedure may not be acceptable in certain site-specific situations, e.g., when: (1) direct fired heaters or other circumstances affect the quantity of VOEM at the control device inlet; and (2) particulate organic aerosols are formed in the process and are present in the captured emissions.

1.2 Principle. The amount of VOEM captured (G) is calculated as the sum of the products of the VOEM content (C_{Gj}), the flow rate (Q_{Gj}), and the sample time (T_c) from each captured emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each captured or fugitive emissions point as follows: $Q_{Gj} = 5.5$ percent and $C_{Gj} = 15.0$ percent. Based on these numbers, the probable uncertainty for G is estimated at about ± 7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOEM Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Sample Probe. Stainless steel, or equivalent. The probe

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shall be heated to prevent VOEM condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow rate control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If captured or fugitive emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

- 2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.
- 2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

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- 2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.
- 2.1.7.4 Response Time. Less than 30 seconds.
- 2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.
- 2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.
- 2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.
- 2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.
- 2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.
- 2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

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- 2.2 Captured Emissions Volumetric Flow Rate.
- 2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.
- 2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.
- 2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.
3. DETERMINATION OF VOLUMETRIC FLOW RATE OF CAPTURED EMISSIONS
- 3.1 Locate all points where emissions are captured from the affected facility~~emission unit~~. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.
- 3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.
4. DETERMINATION OF VOEM CONTENT OF CAPTURED EMISSIONS
- 4.1 Analysis Duration. Measure the VOEM responses at each captured emissions point during the entire test run or, if applicable, while the process is operating. If there are multiple captured emission locations, design a sampling system to allow a single FIA to be used to determine the VOEM responses at all sampling locations.
- 4.2 Gas VOEM Concentration.
- 4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA according to the procedure in Section 5.1.
- 4.2.2 Conduct a system check according to the procedure in Section 5.3.
- 4.2.3 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.
- 4.2.4 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

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4.2.5 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.6 Verify that the sample lines, filter, and pump temperatures are 120 ±5°C.

4.2.7 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple captured emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Locate all NDO's of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDO's, choose 6 sampling points evenly spaced among the NDO's.

4.3.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3. NOTE: This sample train shall be a separate sampling train from the one to measure the captured emissions.

4.3.3 Position the probe at the sampling location.

4.3.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.4 to 4.2.7.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct the system drift checks at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before and after each test run.

5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

A_i = area of NDO i, ft²·i

A_N = total area of all NDO's in the enclosure, ft²·i

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- C_{Bi} = corrected average VOCM concentration of background emissions at point i, ppm propane- i
- C_B = average background concentration, ppm propane- i
- C_{Gj} = corrected average VOCM concentration of captured emissions at point j, ppm propane- i
- C_{DH} = average measured concentration for the drift check calibration gas, ppm propane- i
- C_{Do} = average system drift check concentration for zero concentration gas, ppm propane- i
- C_H = actual concentration of the drift check calibration gas, ppm propane- i
- C_i = uncorrected average background VOCM concentration measured at point i, ppm propane- i
- C_j = uncorrected average VOCM concentration measured at point j, ppm propane- i
- G = total VOCM content of captured emissions, kg- i
- K_i = 1.830×10^6 kg/(m³-ppm)- i
- n = number of measurement points- i
- Q_{Gj} = average effluent volumetric flow rate corrected to standard conditions at captured emissions point j, m³/min- i
- T_c = total duration of captured emissions sampling run, min.

7. CALCULATIONS

7.1 Total VOCM Captured Emissions.

$$G = \sum_{j=1}^n (C_{Gj} - C_B) Q_{Gj} T_c K_i \quad \text{Eq. 1}$$

7.2 VOCM Concentration of the Captured Emissions at Point j.

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$$C_{Gj} = (C_j - C_{Do}) \frac{C_H}{C_{DH} - C_{Do}} \quad \text{Eq. 2}$$

7.3 Background VOCM Concentration at Point i.

$$C_{Bi} = (C_i - C_{Do}) \frac{C_H}{C_{DH} - C_{Do}} \quad \text{Eq. 3}$$

7.4 Average Background Concentration.

$$CB = \frac{\sum_{i=1}^n C_{Bi} A_i}{nA_N} \quad \text{Eq. 4}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms "A_i" and "A_N" may be deleted from Equation 4.

Procedure G.2 - Captured VOCM Emissions (Dilution Technique)

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the volatile organic compounds (VOCM) content of captured gas streams. It is intended to be used as a segment in the development of a gas/gas protocol in which fugitive emissions are measured for determining VOCM capture efficiency (CE) for surface coating and printing operations. A dilution system is used to reduce the VOCM concentration of the captured emission to about the same concentration as the fugitive emissions. The procedure may not be acceptable in certain site-specific situations, e.g., when: (1) direct fired heaters or other circumstances affect the quantity of VOCM at the control device inlet; and (2) particulate organic aerosols are formed in the process and are present in the captured emissions.

1.2 Principle. The amount of VOCM captured (G) is calculated as the sum of the products of the VOCM content (C_{Gj}), the flow rate (Q_{Gj}), and the sampling time (T_c) from each captured emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each captured or fugitive emissions point as follows: Q_{Gj} = ±5.5 percent and C_{Gj} = ±5 percent. Based on these numbers, the probable uncertainty for G is estimated at about ±7.4 percent.

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1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOEM Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Dilution System. A Kipp in-stack dilution probe and controller or similar device may be used. The dilution rate may be changed by substituting different critical orifices or adjustments of the aspirator supply pressure. The dilution system shall be heated to prevent VOEM condensation. Note: An out-of-stack dilution device may be used.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

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2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If captured or fugitive emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

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2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas and Dilution Air Supply. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.9.4 Dilution Check Gas. Gas mixture standard containing propane in air, approximately half the span value after dilution.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Captured Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF CAPTURED EMISSIONS

3.1 Locate all points where emissions are captured from the affected facility. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

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4. DETERMINATION OF VOEM CONTENT OF CAPTURED EMISSIONS

4.1 Analysis Duration. Measure the VOEM responses at each captured emissions point during the entire test run or, if applicable, while the process is operating. If there are a multiple captured emissions locations, design a sampling system to allow a single FIA to be used to determine the VOEM responses at all sampling locations.

4.2 Gas VOEM Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA according to the procedure in Section 5.1.

4.2.2 Set the dilution ratio and determine the dilution factor according to the procedure in Section 5.3.

4.2.3 Conduct a system check according to the procedure in Section 5.4.

4.2.4 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.5 Inject zero gas at the calibration valve assembly. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.6 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.4. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.7 Verify that the sample lines, filter, and pump temperatures are 120 \pm 5°C.

4.2.8 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple captured emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test

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run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

to the system.

4.3 Background Concentration.

4.3.1 Locate all NDO's of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDO's, choose 6 sampling points evenly spaced among the NDO's.

4.3.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.4.

4.3.3 Position the probe at the sampling location.

4.3.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.4 to 4.2.8.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOCM concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system after the dilution system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the diluted captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct the system drift check at the end of each run.

5.3 Determination of Dilution Factor. Inject the dilution check gas into the measurement system before the dilution system and record the response. Calculate the dilution factor using Equation 3.

5.4 System Check. Inject the high range calibration gas at the inlet to the sampling probe while the dilution air is turned off. Record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before and after each test run.

5.5 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

A_i	=	area of NDO i, ft^2
A_N	=	total area of all NDO's in the enclosure, ft^2
C_A	=	actual concentration of the dilution check gas, ppm propane-i
C_{Bi}	=	corrected average VOCM concentration of background emissions at point i, ppm propane-i
C_B	=	average background concentration, ppm propane-i
C_{DH}	=	average measured concentration for the drift check calibration gas, ppm propane-i

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- C_{D0} = average system drift check concentration for zero concentration gas, ppm propane- i
- C_H = actual concentration of the drift check calibration gas, ppm propane- i
- C_i = uncorrected average background VOCM concentration measured at point i , ppm propane- i
- C_j = uncorrected average VOCM concentration measured at point j , ppm propane- i
- C_M = measured concentration of the dilution check gas, ppm propane- i
- DF = dilution factor- i
- G = total VOCM content of captured emissions, kg- i
- K_i = 1.830×10^{-6} kg/(m³-ppm)- i
- n = number of measurement points- i
- Q_{0j} = average effluent volumetric flow rate corrected to standard conditions at captured emissions point j , m³/min- i
- T_C = total duration of capture efficiency sampling run, min.

7. CALCULATIONS

7.1 Total VOCM Captured Emissions.

$$G = \sum_{j=1}^n C_{0j} Q_{0j} T_C K_i \quad \text{Eq. 1}$$

7.2 VOCM Concentration of the Captured Emissions at Point j .

$$C_{0j} = DF (C_j - C_{D0}) \frac{C_H}{C_{DH} - C_{D0}} \quad \text{Eq. 2}$$

7.3 Dilution Factor.

$$D_F = \frac{C_A}{C_H} \quad \text{Eq. 3}$$

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 C_M 7.4 Background VOCM Concentration at Point i .

$$C_{Bi} = (C_i - C_{D0}) \frac{C_H}{C_{DH} - C_{D0}} \quad \text{Eq. 4}$$

7.5 Average Background Concentration.

$$C_B = \frac{\sum_{i=1}^n C_{Bi} A_i}{n A_N} \quad \text{Eq. 5}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms "A_i" and "A_N" may be deleted from Equation 4.

Procedure F.2 - Fugitive VOCM Emissions from Building Enclosures

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the fugitive volatile organic compounds materials (VOCM) emissions from a building enclosure (BE). It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOCM capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The total amount of fugitive VOCM emissions (F_p) from the BE is calculated as the sum of the products of the VOCM content (C_{0j}) of each fugitive emissions point, its flow rate (Q_{0j}), and time (T_p).

1.3 Measurement Uncertainty. The measurement uncertainties are estimated for each fugitive emissions point as follows: Q_{0j} = ±5.0 percent and C_{0j} = ±5.0 percent. Based on these numbers, the probable uncertainty for F_p is estimated at about ±11.2 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute

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endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOCM Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Sample Probe. Stainless steel, or equivalent. The probe shall be heated to prevent VOCM condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow rate control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however,

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other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span

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value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Fugitive Emissions Volumetric Flow Rate.

2.2.1 Flow Direction Indicators. Any means of indicating inward or outward flow, such as light plastic film or paper streamers, smoke tubes, filaments, and sensory perception.

2.2.2 Method 2 or 2A Apparatus. For determining volumetric flow rate. Anemometers or similar devices calibrated according to the manufacturer's instructions may be used when low velocities are present. Vane anemometers (Young-maximum response propeller), specialized pitots with electronic manometers (e.g., Shortridge Instruments Inc., Airdata Multimeter 860) are commercially available with measurement thresholds of 15 and 8 mpm (50 and 25 fpm), respectively.

2.2.3 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.4 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF FUGITIVE EMISSIONS

3.1 Preliminary Determinations. The purpose of this exercise is to determine which exhaust points should be measured for volumetric flow rates and VoEM concentrations.

3.1.1 Forced Draft Openings. Identify all forced draft openings. Determine the volumetric flow rate according to Method 2.

3.1.2 NDO's Exhaust Points. The NDO's in the roof of a facility, the building or room in which the emission unit is located are considered to be exhaust points. Determine volumetric flow rate from these NDO's. Divide the cross-sectional area according to Method 1 using 12 equal areas. Use the appropriate velocity measurement devices, e.g., propeller

anemometers.

3.1.3 Other NDO's.

3.1.3.1 This step is optional. Determine the exhaust flow rate, including that of the control device, from the enclosure and the intake air flow rate. If the exhaust flow rate divided by the intake air flow rate is greater than 1.1, then all other NDO's are not considered to be significant exhaust points.

3.1.3.2 If the option above is not taken, identify all other NDO's and other potential points through which fugitive emissions may escape the enclosure.

Then use the following criteria to determine whether flow rates and VoEM concentrations need to be measured:

3.1.3.2.1 Using the appropriate flow direction indicator, determine the flow direction. An NDO with zero or inward flow is not an exhaust point.

3.1.3.2.2 Measure the outward volumetric flow rate from the remainder of the NDO's. If the collective flow rate is 2 percent, or less, of the flow rate from Sections 3.1.1 and 3.1.2, then these NDO's, except those within two equivalent diameters (based on NDO opening) from a VoEM source, may be considered to be non-exhaust points.

3.1.3.2.3 If the percentage calculated in Section 3.1.3.2.2 is greater than 2 percent, those NDO's (except those within two equivalent diameters from a VoEM source) whose volumetric flow rate total 2 percent of the flow rate from Sections 3.1.1 and 3.1.2 may be considered as non-exhaust points. All remaining NDO's shall be measured for volumetric flow rate and VoEM concentrations during the CE test.

3.1.3.2.4 The tester may choose to measure VoEM concentrations at the forced exhaust points and the NDO's. If the total VoEM emissions from the NDO's are less than 2 percent of the emissions from the forced draft and roof NDO's, then these NDO's may be eliminated from further consideration.

3.2 Determination of Flow Rates.

3.2.1 Measure the volumetric flow rate at all locations identified as exhaust points in Section 3.1. Divide each exhaust opening into 9 equal areas for rectangular openings and 8 for circular openings.

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3.2.2 Measure the velocity at each site at least once every hour during each sampling run using Method 2 or 2A, if applicable, or using the low velocity instruments in Section 2.2.2.

4. DETERMINATION OF VOCM CONTENT OF FUGITIVE EMISSIONS

4.1 Analysis Duration. Measure the VOCM responses at each fugitive emission point during the entire test run or, if applicable, while the process is operating. If there are multiple emissions locations, design a sampling system to allow a single FIA to be used to determine the VOCM responses at all sampling locations.

4.2 Gas VOCM Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3, respectively.

4.2.2 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.3 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.4 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform drift checks during the run not to exceed one drift check per hour.

4.2.5 Verify that the sample lines, filter, and pump temperatures are 120 \pm 5°C.

4.2.6 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point

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during each hour of testing. Disregard the response measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Alternative Procedure The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOCM concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems' Drift Checks. Select the calibration gas that most closely approximates the concentration of the captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct a system drift check at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before each test run.

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5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

- C_{DH} = average measured concentration for the drift check calibration gas, ppm propane- i
- C_{D0} = average system drift check concentration for zero concentration gas, ppm propane- i
- C_{Fj} = corrected average VOEGM concentration of fugitive emissions at point j , ppm propane- i
- C_H = actual concentration of the drift check calibration gas, ppm propane- i
- C_j = uncorrected average VOEGM concentration measured at point j , ppm propane- i
- F_B = total VOEGM content of fugitive emissions from the building, kg- i
- K_1 = $1.830 \times 10^{-6} \text{ kg}/(\text{m}^3\text{-ppm})\text{-}i$
- n = number of measurement points- i
- Q_{Fj} = average effluent volumetric flow rate corrected to standard conditions at fugitive emissions point j , $\text{m}^3/\text{min-}i$
- T_P = total duration of capture efficiency sampling run, min.

7. CALCULATIONS

7.1 Total VOEGM Fugitive Emissions From the Building.

$$F_B = \sum_{j=1}^n C_{Fj} Q_{Fj} T_P K_1 \quad \text{Eq. 1}$$

7.2 VOEGM Concentration of the Fugitive Emissions at Point j .

$$C_{Fj} = (C_j - C_{D0}) \frac{C_{H1}}{C_{H2}} \quad \text{Eq. 2}$$

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$C_{DH} - C_{D0}$

Procedure F.1 - Fugitive VOEGM Emissions from Temporary Enclosures

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the fugitive volatile organic ~~emissions~~ materials (VOEGM) emissions from a temporary total enclosure (TTE). It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOEGM capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The amount of fugitive VOEGM emissions (F) from the TTE is calculated as the sum of the products of the VOEGM content (C_{Fj}), the flow rate (Q_{Fj}), and the sampling time (T_P) from each fugitive emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each fugitive emission point as follows: $Q_{Fj} = \pm 5.5$ percent and $CF_j = \pm 5.0$ percent. Based on these numbers, the probable uncertainty for F is estimated at about ± 7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOEGM Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Sample Probe. Stainless steel, or equivalent. The probe shall be heated to prevent VOEGM condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration

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gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

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2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Fugitive Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

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2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

2.3 Temporary Total Enclosure. The criteria for designing a TTE are discussed in Procedure T.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF FUGITIVE EMISSIONS

3.1 Locate all points where emissions are exhausted from the TTE. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

4. DETERMINATION OF VOCM CONTENT OF FUGITIVE EMISSIONS

4.1 Analysis Duration. Measure the VOCM responses at each fugitive emission point during the entire test run or, if applicable, while the process is operating. If there are multiple emission locations, design a sampling system to allow a single FIA to be used to determine the VOCM responses at all sampling locations.

4.2 Gas VOCM Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3, respectively.

4.2.2 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.3 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.4 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may

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elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.5 Verify that the sample lines, filter, and pump temperatures are 120 \pm 5°C.

4.2.6 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the response measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Determination of VOCM Background Concentration.

4.3.1.1 Locate all NDO's of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDO's, choose 6 sampling points evenly spaced among the NDO's.

4.3.1.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3.

4.3.1.3 Position the probe at the sampling location.

4.3.1.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.3 to 4.2.6.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOCM concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary

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adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas concentration that most closely approximates that of the fugitive gas emissions to conduct the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct a system drift check at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before each test run.

5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

- A_i = area of NDO i, ft²_{r,i}
 A_N = total area of all NDO's in the enclosure, ft²_{r,i}
 C_{Bi} = corrected average VOEM concentration of background emissions at point i, ppm propane_{r,i}

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- C_B = average background concentration, ppm propane_{r,i}
 C_{DH} = average measured concentration for the drift check calibration gas, ppm propane_{r,i}
 C_{DO} = average system drift check concentration for zero concentration gas, ppm propane_{r,i}
 C_{Fj} = corrected average VOEM concentration of fugitive emissions at point j, ppm propane_{r,i}
 C_H = actual concentration of the drift check calibration gas, ppm propane_{r,i}
 C_i = uncorrected average background VOEM concentration measured at point i, ppm propane_{r,i}
 C_j = uncorrected average VOEM concentration measured at point j, ppm propane_{r,i}
 G = total VOEM content of captured emissions, kg_{r,i}
 K_i = 1.830×10^{-6} kg/(m³-ppm)_{r,i}
 n = number of measurement points_{r,i}
 Q_{Fj} = average effluent volumetric flow rate corrected to standard conditions at fugitive emissions point j, m³/min_{r,i}
 T_F = total duration of fugitive emissions sampling run, min.

7. CALCULATIONS

7.1 Total VOEM Fugitive Emissions.

$$F = \sum_{j=1}^n (C_{Fj} - C_B) Q_{Fj} T_F K_i \quad \text{Eq. 1}$$

7.2 VOEM Concentration of the Fugitive Emissions at Point j.

$$C_{Fj} = (C_j - C_{DO}) \frac{C_H}{C_{DH} - C_{DO}} \quad \text{Eq. 2}$$

7.3 Background VOEM Concentration at Point i.

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$$C_{Bi} = (C_i - C_{D0}) \frac{C_{Di}}{C_{Di} - C_{D0}}$$

Eq. 3

7.4 Average Background Concentration.

$$C_B = \frac{\sum_{i=1}^n C_{Bi} A_i}{n A_N}$$

Eq. 5

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms "A_i" and "A_N" may be deleted from Equation 4.

Procedure L - VOEM Input

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the input of volatile organic compounds (VOEM). It is intended to be used as a segment in the development of liquid/gas protocols for determining VOEM capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The amount of VOEM introduced to the process (L) is the sum of the products of the weight (W) of each VOEM containing liquid (ink, paint, solvent, etc.) used and its VOEM content (V). A sample of each VOEM containing liquid is analyzed with a flame ionization analyzer (FIA) to determine V.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each VOEM containing liquid as follows: W = ±2.0 percent and V = ±12.0 percent. Based on these numbers, the probable uncertainty for L is estimated at about ±12.2 percent for each VOEM containing liquid. 1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

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2. APPARATUS AND REAGENTS

2.1 Liquid Weight.

2.1.1 Balances/Digital Scales. To weigh drums of VOEM containing liquids to within 0.2 lb.

2.1.2 Volume Measurement Apparatus (Alternative). Volume meters, flow meters, density measurement equipment, etc., as needed to achieve same accuracy as direct weight measurements.

2.2 VOEM Content (Flame Ionization Analyzer Technique). The liquid sample analysis system is shown in Figures 1 and 2. The following equipment is required:

2.2.1 Sample Collection Can. An appropriately sized metal can to be used to collect VOEM containing materials. The can must be constructed in such a way that it can be grounded to the coating container.

2.2.2 Needle Valves. To control gas flow.

2.2.3 Regulators. For carrier gas and calibration gas cylinders.

2.2.4 Tubing. Teflon or stainless steel tubing with diameters and lengths determined by connection requirements of equipment. The tubing between the sample oven outlet and the FIA shall be heated to maintain a temperature of 120 ±5°C.

2.2.5 Atmospheric Vent. A tee and 0- to 0.5-liter/min rotameter placed in the sampling line between the carrier gas cylinder and the VOEM sample vessel to release the excess carrier gas. A toggle valve placed between the tee and the rotameter facilitates leak tests of the analysis system.

2.2.6 Thermometer. Capable of measuring the temperature of the hot water bath to within 1°C.

2.2.7 Sample Oven. Heated enclosure, containing calibration gas coil heaters, critical orifice, aspirator, and other liquid sample analysis components, capable of maintaining a temperature of 120 ±5°C.

2.2.8 Gas Coil Heaters. Sufficient lengths of stainless steel or Teflon tubing to allow zero and calibration gases to be heated to the sample oven temperature before entering the critical orifice or aspirator.

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- 2.2.9 Water Bath. Capable of heating and maintaining a sample vessel temperature of 100 \pm 5°C.
- 2.2.10 Analytical Balance. To measure \pm 0.001 g.
- 2.2.11 Disposable Syringes. 2-cc or 5-cc.
- 2.2.12 Sample Vessel. Glass, 40-ml septum vial. A separate vessel is needed for each sample.
- 2.2.13 Rubber Stopper. Two-hole stopper to accommodate 3.2-mm (1/8-in.) Teflon tubing, appropriately sized to fit the opening of the sample vessel. The rubber stopper should be wrapped in Teflon tape to provide a tighter seal and to prevent any reaction of the sample with the rubber stopper. Alternatively, any leak-free closure fabricated of non-reactive materials and accommodating the necessary tubing fittings may be used.
- 2.2.14 Critical Orifices. Calibrated critical orifices capable of providing constant flow rates from 50 to 250 ml/min at known pressure drops. Sapphire orifice assemblies (available from O'Keefe Controls Company) and glass capillary tubing have been found to be adequate for this application.
- 2.2.15 Vacuum Gauge. 0- to 760-mm (0- to 30-in.) Hg U-Tube manometer or vacuum gauge.
- 2.2.16 Pressure Gauge. Bourdon gauge capable of measuring the maximum air pressure at the aspirator inlet (e.g., 100 psig).
- 2.2.17 Aspirator. A device capable of generating sufficient vacuum at the sample vessel to create critical flow through the calibrated orifice when sufficient air pressure is present at the aspirator inlet. The aspirator must also provide sufficient sample pressure to operate the FIA. The sample is also mixed with the dilution gas within the aspirator.
- 2.2.18 Soap Bubble Meter. Of an appropriate size to calibrate the critical orifices in the system.
- 2.2.19 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:
- 2.2.19.1 Zero Drift. Less than \pm 3.0 percent of the span value.

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- 2.2.19.2 Calibration Drift. Less than \pm 3.0 percent of span value.
- 2.2.19.3 Calibration Error. Less than \pm 5.0 percent of the calibration gas value.
- 2.2.20 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.
- 2.2.21 Chart Recorder (Optional). A chart recorder or similar device is recommended to provide a continuous analog display of the measurement results during the liquid sample analysis.
- 2.2.22 Calibration and Other Gases. For calibration, fuel, and combustion air (if required) contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to \pm 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf-life for each calibration gas cylinder over which the concentration does not change more than \pm 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.
- 2.2.22.1 Fuel. A 40 percent H₂/60 percent He or 40 percent H₂/60 percent N₂ gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.
- 2.2.22.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane) or less than 0.1 percent of the span value, whichever is greater.
- 2.2.22.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.
- 2.2.22.4 System Calibration Gas. Gas mixture standard

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containing propane in air, approximating the undiluted VOEM concentration expected for the liquid samples.

3. DETERMINATION OF LIQUID INPUT WEIGHT

3.1 Weight Difference. Determine the amount of material introduced to the process as the weight difference of the feed material before and after each sampling run. In determining the total VOEM containing liquid usage, account for: (a) the initial (beginning) VOEM containing liquid mixture; (b) any solvent added during the test run; (c) any coating added during the test run; and (d) any residual VOEM containing liquid mixture remaining at the end of the sample run.

3.1.1 Identify all points where VOEM containing liquids are introduced to the process. To obtain an accurate measurement of VOEM containing liquids, start with an empty fountain (if applicable). After completing the run, drain the liquid in the fountain back into the liquid drum (if possible), and weigh the drum again. Weigh the VOEM containing liquids to ± 0.5 percent of the total weight (full) or ± 0.1 percent of the total weight of VOEM containing liquid used during the sample run, whichever is less. If the residual liquid cannot be returned to the drum, drain the fountain into a preweighed empty drum to determine the final weight of the liquid.

3.1.2 If it is not possible to measure a single representative mixture, then weigh the various components separately (e.g., if solvent is added during the sampling run, weigh the solvent before it is added to the mixture). If a fresh drum of VOEM containing liquid is needed during the run, then weigh both the empty drum and fresh drum.

3.2 Volume Measurement (Alternative). If direct weight measurements are not feasible, the tester may use volume meters and flow rate meters (and density measurements) to determine the weight of liquids used if it can be demonstrated that the technique produces results equivalent to the direct weight measurements. If a single representative mixture cannot be measured, measure the components separately.

4. DETERMINATION OF VOEM CONTENT IN INPUT LIQUIDS

4.1 Collection of Liquid Samples.

4.1.1 Collect a 100-ml or larger sample of the VOEM containing liquid mixture at each application location at the beginning and end of each test run. A separate sample should be taken of each

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VOEM containing liquid added to the application mixture during the test run. If a fresh drum is needed during the sampling run, then obtain a sample from the fresh drum.

4.1.2 When collecting the sample, ground the sample container to the coating drum. Fill the sample container as close to the rim as possible to minimize the amount of headspace.

4.1.3 After the sample is collected, seal the container so the sample cannot leak out or evaporate.

4.1.4 Label the container to identify clearly the contents.

4.2 Liquid Sample VOEM Content.

4.2.1 Assemble the liquid VOEM content analysis system as shown in Figure 1.

4.2.2 Permanently identify all of the critical orifices that may be used. Calibrate each critical orifice under the expected operating conditions (i.e., sample vacuum and temperature) against a volume meter as described in Section 5.3.

4.2.3 Label and tare the sample vessels (including the stoppers and caps) and the syringes.

4.2.4 Install an empty sample vessel and perform a leak test of the system. Close the carrier gas valve and atmospheric vent and evacuate the sample vessel to 250 mm (10 in.) Hg absolute or less using the aspirator. Close the toggle valve at the inlet to the aspirator and observe the vacuum for at least one minute. If there is any change in the sample pressure, release the vacuum, adjust or repair the apparatus as necessary and repeat the leak test.

4.2.5 Perform the analyzer calibration and linearity checks according to the procedure in Section 5.1. Record the responses to each of the calibration gases and the back-pressure setting of the FIA.

4.2.6 Establish the appropriate dilution ratio by adjusting the aspirator air supply or substituting critical orifices. Operate the aspirator at a vacuum of at least 25 mm (1 in.) Hg greater than the vacuum necessary to achieve critical flow. Select the dilution ratio so that the maximum response of the FIA to the sample does not exceed the high-range calibration gas.

4.2.7 Perform system calibration checks at two levels by

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introducing compressed gases at the inlet to the sample vessel while the aspirator and dilution devices are operating. Perform these checks using the carrier gas (zero concentration) and the system calibration gas. If the response to the carrier gas exceeds ± 0.5 percent of span, clean or repair the apparatus and repeat the check. Adjust the dilution ratio as necessary to achieve the correct response to the upscale check, but do not adjust the analyzer calibration. Record the identification of the orifice, aspirator air supply pressure, FIA back-pressure, and the responses of the FIA to the carrier and system calibration gases.

4.2.8 After completing the above checks, inject the system calibration gas for approximately 10 minutes. Time the exact duration of the gas injection using a stopwatch. Determine the area under the FIA response curve and calculate the system response factor based on the sample gas flow rate, gas concentration, and the duration of the injection as compared to the integrated response using Equations 2 and 3.

4.2.9 Verify that the sample oven and sample line temperatures are $120 \pm 5^\circ\text{C}$ and that the water bath temperature is $100 \pm 5^\circ\text{C}$.

4.2.10 Fill a tared syringe with approximately 1 g of the VOEM containing liquid and weigh it. Transfer the liquid to a tared sample vessel. Plug the sample vessel to minimize sample loss. Weigh the sample vessel containing the liquid to determine the amount of sample actually received. Also, as a quality control check, weigh the empty syringe to determine the amount of material delivered. The two coating sample weights should agree within ± 0.02 g. If not, repeat the procedure until an acceptable sample is obtained.

4.2.11 Connect the vessel to the analysis system. Adjust the aspirator supply pressure to the correct value. Open the valve on the carrier gas supply to the sample vessel and adjust it to provide a slight excess flow to the atmospheric vent. As soon as the initial response of the FIA begins to decrease, immerse the sample vessel in the water bath. (Applying heat to the sample vessel too soon may cause the FID response to exceed the calibrated range of the instrument, and thus invalidate the analysis.)

4.2.12 Continuously measure and record the response of the FIA until all of the volatile material has been evaporated from the sample and the instrument response has returned to the baseline (i.e., response less than 0.5 percent of the span value). Observe the aspirator supply pressure, FIA back-pressure,

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atmospheric vent, and other system operating parameters during the run; repeat the analysis procedure if any of these parameters deviate from the values established during the system calibration checks in Section 4.2.7. After each sample perform the drift check described in Section 5.2. If the drift check results are acceptable, calculate the VOEM content of the sample using the equations in Section 7. Integrate the area under the FIA response curve, or determine the average concentration response and the duration of sample analysis.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. After each sample, repeat the system calibration checks in Section 4.2.7 before any adjustments to the FIA or measurement system are made. If the zero or calibration drift exceeds ± 3 percent of the span value, discard the result and repeat the analysis.

5.3 Critical Orifice Calibration.

5.3.1 Each critical orifice must be calibrated at the specific operating conditions that it will be used. Therefore, assemble all components of the liquid sample analysis system as shown in Figure 3. A stopwatch is also required.

5.3.2 Turn on the sample oven, sample line, and water bath heaters and allow the system to reach the proper operating temperature. Adjust the aspirator to a vacuum of 380 mm (15 in.) Hg vacuum. Measure the time required for one soap bubble to move a known distance and record barometric pressure.

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5.3.3 Repeat the calibration procedure at a vacuum of 406 mm (16 in.) Hg and at 25-mm (1-in.) Hg intervals until three consecutive determinations provide the same flow rate. Calculate the critical flow rate for the orifice in ml/min at standard conditions. Record the vacuum necessary to achieve critical flow.

6. NOMENCLATURE

- A_L = area under the response curve of the liquid sample, area count- τ_i
- A_s = area under the response curve of the calibration gas, area count- τ_i
- C_s = actual concentration of system calibration gas, ppm propane- τ_i
- K = 1.830×10^{-9} g/(ml-ppm)- τ_i
- L = total VOEM content of liquid input, kg- τ_i
- M_L = mass of liquid sample delivered to the sample vessel, g- τ_i
- q = flow rate through critical orifice, ml/min- τ_i
- RF = liquid analysis system response factor, g/area count- τ_i
- T_s = total gas injection time for system calibration gas during integrator calibration, min- τ_i
- V_{Hj} = final VOEM fraction of VOEM containing liquid j- τ_i
- V_{ij} = initial VOEM fraction of VOEM containing liquid j- τ_i
- V_{Aj} = VOEM fraction of VOEM containing liquid j added during the run- τ_i
- V = VOEM fraction of liquid sample- τ_i
- W_{Hj} = weight of VOEM containing liquid j remaining at end of the run, kg- τ_i
- W_{ij} = weight of VOEM containing liquid j at beginning of

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the run, kg- τ_i

W_{Aj} = weight of VOEM containing liquid j added during the run, kg.

7. CALCULATIONS

7.1 Total VOEM Content of the Input VOEM Containing Liquid.

$$L = \sum_{j=1}^n V_{ij} W_{ij} + \sum_{j=1}^n V_{Aj} W_{Aj} \quad R \quad \text{Eq. 1}$$

7.2 Liquid Sample Analysis System Response Factor for Systems Using Integrators, Grams/Area Counts.

$$RF = \frac{C_s q T_s K}{A_s} \quad \text{Eq. 2}$$

7.3 VOEM Content of the Liquid Sample.

$$V = \frac{A_L RF}{M_L} \quad \text{Eq. 3}$$

Procedure T - Criteria for and Verification of a Permanent or Temporary Total Enclosure

1. INTRODUCTION

1.1 Applicability. This procedure is used to determine whether a permanent or temporary enclosure meets the criteria of a total enclosure.

1.2 Principle. An enclosure is evaluated against a set of criteria. If the criteria are met and if all the exhaust gases are ducted to a control device, then the volatile organic compounds materials (VOEM) capture efficiency (CE) is assumed to be 100 percent and CE need not be measured. However, if part of the exhaust gas stream is not ducted to a control device, CE must be determined.

2. DEFINITIONS

2.1 Natural Draft Opening (NDO) -- Any permanent opening in the enclosure that remains open during operation of the facility emission unit and is not connected to a duct in which a fan is installed.

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2.2 Permanent Total Enclosure (PTE) -- A permanently installed enclosure that completely surrounds an ~~source-of emissions~~ unit such that all VOCM emissions are captured and contained for discharge through a control device.

2.3 Temporary Total Enclosure (TTE) -- A temporarily installed enclosure that completely surrounds an ~~source-of emissions~~ unit such that all VOCM emissions are captured and contained for discharge through ducts that allow for the accurate measurement of VOCM rates.

3. CRITERIA OF A TEMPORARY TOTAL ENCLOSURE

3.1 Any NDO shall be at least 4 equivalent opening diameters from each VOCM emitting point.

3.2 Any exhaust point from the enclosure shall be at least 4 equivalent duct or hood diameters from each NDO.

3.3 The total area of all NDO's shall not exceed 5 percent of the surface area of the enclosure's four walls, floor, and ceiling.

3.4 The average facial velocity (FV) of air through all NDO's shall be at least 3,600 m/hr (200 fpm). The direction of air through all NDO's shall be into the enclosure.

3.5 All access doors and windows whose areas are not included in Section 3.3 and are not included in the calculation in Section 3.4 shall be closed during routine operation of the ~~process~~ emission unit.

4. CRITERIA OF A PERMANENT TOTAL ENCLOSURE

4.1 Same as Sections 3.1 and 3.3 - 3.5.

4.2 All VOCM emissions must be captured and contained for discharge through a control device.

5. PROCEDURE

5.1 Determine the equivalent diameters of the NDO's and determine the distances from each VOCM emitting point to all NDO's. Determine the equivalent diameter of each exhaust duct or hood and its distance to all NDO's. Calculate the distances in terms of equivalent diameters. The number of equivalent diameters shall be at least 4.

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5.2 Measure the total area (A_t) of the enclosure and the total area (A_N) of all NDO's of the enclosure. Calculate the NDO to enclosure area ratio (NEAR) as follows:

$$\text{NEAR} = A_N/A_t$$

The NEAR must be < 0.05 .

5.3 Measure the volumetric flow rate, corrected to standard conditions, of each gas stream exiting the enclosure through an exhaust duct or hood using EPA Method 2. In some cases (e.g., when the building is the enclosure), it may be necessary to measure the volumetric flow rate, corrected to standard conditions, of each gas stream entering the enclosure through a forced makeup air duct using Method 2. Calculate FV using the following equation:

$$\text{FV} = [Q_0 - Q_1]/A_N$$

where:

Q_0 = the sum of the volumetric flow from all gas streams exiting the enclosure through an exhaust duct or hood.

Q_1 = the sum of the volumetric flow from all gas streams into the enclosure through a forced makeup air duct; zero, if there is no forced makeup air into the enclosure.

A_N = total area of all NDO's in enclosure.

The FV shall be at least 3,600 m/hr (200 fpm).

5.4 Verify that the direction of air flow through all NDO's is inward. Use streamers, smoke tubes, tracer gases, etc. Strips of plastic wrapping film have been found to be effective. Monitor the direction of air flow at intervals of at least 10 minutes for at least 1 hour.

6. QUALITY ASSURANCE

6.1 The success of this protocol lies in designing the TTE to simulate the conditions that exist without the TTE, i.e., the effect of the TTE on the normal flow patterns around the affected facility emission unit or the amount of fugitive VOCM emissions should be minimal. The TTE must enclose the application

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stations, coating reservoirs, and all areas from the application station to the oven. The oven does not have to be enclosed if it is under negative pressure. The NDO's of the temporary enclosure and a fugitive exhaust fan must be properly sized and placed.

6.2. Estimate the ventilation rate of the TTE that best simulates the conditions that exist without the TTE, i.e., the effect of the TTE on the normal flow patterns around the affected fugitive emission unit or the amount of fugitive VOEM emissions should be minimal. Figure 1 may be used as an aid. Measure the concentration (C_0) and flow rate (Q_0) of the captured gas stream, specify a safe concentration (C_p) for the fugitive gas stream, estimate the CE, and then use the plot in Figure 1 to determine the volumetric flowrate of the fugitive gas stream (Q_p). A fugitive VOEM emission exhaust fan that has a variable flow control is desirable.

6.2.1 Monitor the concentration of VOEM into the capture device without the TTE. To minimize the effect of temporal variation on the captured emissions, the baseline measurement should be made over as long a time period as practical. However, the process conditions must be the same for the measurement in Section 6.2.3 as they are for this baseline measurement. This may require short measuring times for this quality control check before and after the construction of the TTE.

6.2.2 After the TTE is constructed, monitor the VOEM concentration inside the TTE. This concentration shall not continue to increase and must not exceed the safe level according to OSHA requirements for permissible exposure limits. An increase in VOEM concentration indicates poor TTE design or poor capture efficiency.

6.2.3 Monitor the concentration of VOEM into the capture device with the TTE. To limit the effect of the TTE on the process, the VOEM concentration with and without the TTE must be within ± 10 percent. If the measurements do not agree, adjust the ventilation rate from the TTE until they agree within 10 percent.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 219 APPENDIX C
REFERENCE TEST METHODS AND PROCEDURES FOR AIR OXIDATION PROCESSES

Introduction

This Appendix presents the reference methods and procedures required for implementing Reasonably Available Control Technology (RACT). Methods and procedures are identified for two types of RACT implementation:

- Determination of VOEM destruction efficiency for evaluating compliance with the 98 weight percent VOEM reduction or 20 ppmv emission limit specified in Sections 215.520 through 215.527; and
- Determination of offgas flowrate, hourly emissions and stream net heating value for calculating TRE.

All reference methods identified in this Appendix refer to the reference methods specified at 40 CFR 60, Appendix A, incorporated by reference in Section 215.105.

VOEM DESTRUCTION EFFICIENCY DETERMINATION

The following reference methods and procedures are required for determining compliance with the percent destruction efficiency specified in Sections 215.520 through 215.527.

- Reference Method 1 or 1A for selection of the sampling site. The control device inlet sampling site for determination of vent stream molar composition or total organic compound destruction efficiency shall be prior to the inlet of any control device and after all recovery devices.
- Reference Methods 2, 2A, 2C or 2D for determination of the volumetric flowrate.
- Reference Method 3 to measure oxygen concentration of the air dilution correction. The emission sample shall be corrected to 3 percent oxygen.
- Reference Method 18 to determine the concentration of total organic compounds (minus methane and ethane) in the control device outlet and total organic compound reduction efficiency of the control device.

TRE DETERMINATION

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The following reference methods and procedures are required for determining the offgas flowrate, hourly emissions, and the net heating value of the gas combusted to calculate the vent stream TRE.

- a) Reference Method 1 or 1A for selection of the sampling site. The sampling site for the vent stream flowrate and molar composition determination prescribed in (b) and (c) shall be prior to the inlet of any combustion device, prior to any post-reactor dilution of the stream with air and prior to any post-reactor introduction of halogenated compounds into the vent stream. Subject to the preceding restrictions on the sampling site, it shall be after the final recovery device. If any gas stream other than the air oxidation vent stream is normally conducted through the recovery system of the affected facility, such stream shall be rerouted or turned off while the vent stream is sampled, but shall be routed normally prior to the measuring of the initial value of the monitored parameters for determining compliance with the recommended RACT. If the air oxidation vent stream is normally routed through any equipment which is not a part of the air oxidation process as defined in 35 Ill. Adm. Code 211.122, such equipment shall be bypassed by the vent stream while the vent stream is sampled, but shall not be bypassed during the measurement of the initial value of the monitored parameters for determining compliance with Subpart V.
- b) The molar composition of the vent stream shall be determined using the following methods:
 - 1) Reference Method 18 to measure the concentration of all organics, including those containing halogens, unless a significant portion of the compounds of interest are polymeric (high molecular weight), can polymerize before analysis or have low vapor pressures, in which case Reference Method 25(a) shall be used.
 - 2) ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215.105, to measure the concentration of carbon monoxide and hydrogen.
 - 3) Reference Method 4 to measure the content of water vapor, if necessary.
- c) The volumetric flowrate shall be determined using Reference Method 2, 2A, 2C or 2D, as appropriate.
- d) The net heating value of the vent stream shall be calculated

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using the following equation:

$$H = K \sum_{i=1}^n C_i H_i$$

Where:

- H = Net heating value of the sample, MJ/scm, where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of F (vent stream flowrate) below.
- K = Constant, 1.740×10^{-7} (1/ppm) (mole/scm) (MJ/kcal) where standard temperature for mole/scm is 20°C.
- C_i = Concentration of sample component i, reported on a wet basis, in ppm, as measured by Reference Method 18 or ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215.105.
- H_i = Net heat of combustion of sample component i, kcal/mole based on combustion at 25°C and 760 mm Hg. If published values are not available or cannot be calculated, the heats of combustion of vent stream components are required to be determined using ASTM D2382-76, incorporated by reference in Section 215.105.

- e) The emission rate of total organic compounds in the process vent stream shall be calculated using the following equation:

$$E = K F \sum_{i=1}^n C_i M_i$$

Where:

- E = Emission rate of total organic compounds (minus methane and ethane) in the sample in kg/hr-τ;
- K = Constant 2.494×10^{-6} (1/ppm) (mole/scm) (kg/g) (min/hr), where standard temperature for (mole/scm) is 20°C-τ;

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- Mi = Molecular weight of sample component i (g/mole);
F = Vent stream flowrate (scm/min), at a standard temperature of 20°C.

f) The total vent stream concentration (by volume) of compounds containing halogens (ppmv, by compound) shall be summed from the individual concentrations of compounds containing halogens which were measured by Reference Method 18.

(Source: Amended at ___ Ill. Reg. ___, effective ___)

Section 219.APPENDIX D
COEFFICIENTS FOR THE TOTAL RESOURCE EFFECTIVENESS INDEX (TRE)
EQUATION

This Appendix contains values for the total resource effectiveness index (TRE) equation in Subpart V.

If a flow rate falls exactly on the boundary between the indicated ranges, the operator shall use the row in which the flow rate is maximum.

COEFFICIENTS FOR TRE EQUATION FOR CHLORINATED PROCESS
VENT STREAMS WITH
NET HEATING VALUE LESS THAN OR EQUAL TO 3.5 MJ/scm

FLOW RATE (scm/min)							
Min.	Max.	a	b	c	d	e	f
0.0	13.5	48.73	0.	0.404	-0.1632	0.	0.
13.5	700.	42.35	0.624	0.404	-0.1632	0.	0.0245
700.	1400.	84.38	0.678	0.404	-0.1632	0.	0.0346
1400.	2100.	126.41	0.712	0.404	-0.1632	0.	0.0424
2100.	2800.	168.44	0.747	0.404	-0.1632	0.	0.0490
2800.	3500.	210.47	0.758	0.404	-0.1632	0.	0.0548

COEFFICIENTS FOR TRE EQUATION FOR CHLORINATED PROCESS
VENT STREAMS WITH
NET HEATING VALUE GREATER THAN 3.5 MJ/scm

FLOW RATE (scm/min)							
Min.	Max.	a	b	c	d	e	f
0.	13.5	47.76	0.	-0.292	0.	0.	0.
13.5	700.	41.58	0.605	-0.292	0.	0.	0.0245
700.	1400.	82.84	0.658	-0.292	0.	0.	0.0346
1400.	2100.	123.10	0.691	-0.292	0.	0.	0.0424
2100.	2800.	165.36	0.715	-0.292	0.	0.	0.0490
2800.	3500.	206.62	0.734	-0.292	0.	0.	0.0548

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED PROCESS
VENT STREAMS WITH
NET HEATING VALUE LESS THAN OR EQUAL TO 0.48 MJ/scm

FLOW RATE (scm/min)							
Min.	Max.	a	b	c	d	e	f
0.	13.5	19.05	0.	0.113	-0.214	0.	0.
13.5	1350.	16.61	0.239	0.113	-0.214	0.	0.0245

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1350.	2700.	32.91	0.260	0.113	-0.214	0.	0.0346
2700.	4050.	49.21	0.273	0.113	-0.214	0.	0.0424

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED PROCESS
VENT STREAMS
WITH NET HEATING VALUE GREATER THAN 0.48 AND LESS THAN OR
EQUAL TO 1.9 MJ/scm

FLOW RATE
(scm/min)

Min.	Max.	a	b	c	d	e	f
0.	13.5	19.74	0.	0.400	-0.202	0.	0.
13.5	1350.	18.30	0.138	0.400	-0.202	0.	0.0245
1350.	2700.	36.28	0.150	0.400	-0.202	0.	0.0346
2700.	4050.	54.26	0.158	0.400	-0.202	0.	0.0424

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED PROCESS
VENT STREAMS
WITH NET HEATING VALUE GREATER THAN 1.9 AND LESS THAN OR
EQUAL TO 3.6 MJ/scm

FLOW RATE
(scm/min)

Min.	Max.	a	b	c	d	e	f
0.	13.5	15.24	0.	0.033	0.	0.	0.
13.5	1190.	13.63	0.157	0.033	0.	0.	0.0245
1190.	2380.	26.95	0.171	0.033	0.	0.	0.0346
2380.	3570.	40.27	0.179	0.033	0.	0.	0.0424

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED PROCESS
VENT STREAMS WITH
NET HEATING VALUE GREATER THAN 3.6 MG/scm

FLOW RATE
(scm/min)

Min.	Max.	a	b	c	d	e	f
0.	13.5	15.24	0.	0.	0.0090	0.	0.
13.5	1190.	13.63	0.	0.	0.0090	0.0503	0.0245
1190.	2380.	26.95	0.	0.	0.0090	0.0546	0.0346
2380.	3570.	40.27	0.	0.	0.0090	0.0573	0.0424

(Source: Amended at ___ Ill. Reg. ___, effective _____)

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1) Heading of the Part: Aid To Families With Dependent Children

2) Code Citation: 89 Ill. Adm. Code 112

3) Section Numbers: Proposed Action:

112.78 Amendment
112.145 Amendment
112.151 Amendment

4) Statutory Authority: Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1991, ch. 23, pars. 4-1 et seq. and 12-13)[305 ILCS 5/4-1 et seq. and 5/12-13]

5) Complete Description of the Subjects and Issues Involved: This rulemaking is necessary to implement the provisions of House Bill 707 and is being proposed in order to increase a recipient's ability to start and maintain a business. The guidelines for the approval and operation of self-employment plans for individuals receiving Aid to Families With Dependent Children are being established by this rulemaking. In addition, these proposed amendments provide the criteria for evaluating the recipient's business assets used in the self-employment enterprise and allows the separation of those business assets from the recipient's personal assets.

A recipient's business assets up to \$5,000 will not be considered, for a period not exceeding 2 years, in determining the recipient's need for public assistance. For purposes of determining eligibility for AFDC, these proposed amendments also provide the guidelines for disregarding a recipient's income from a self-employment enterprise when those moneys are reinvested in the enterprise.

6) Will these proposed amendments replace emergency amendments currently in effect? No

7) Does this rulemaking contain an automatic repeal date? No

8) Do these proposed amendments contain incorporations by reference? No

9) Are there any other proposed amendments pending on this Part? Yes

Sections Proposed Action Illinois Register Citation

112.127 Amendment December 18, 1992 (16 Ill. Reg. 19642)
112.250 Amendment January 4, 1993 (17 Ill. Reg. 46)
112.252 Amendment January 4, 1993 (17 Ill. Reg. 46)
112.253 Amendment January 4, 1993 (17 Ill. Reg. 46)
112.254 Amendment January 4, 1993 (17 Ill. Reg. 46)

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- 10) Statement of Statewide Policy Objectives: These proposed amendments do not affect units of local government.

- 11) Time, Place, and Manner in which Interested Persons may comment on this proposed rulemaking: Any interested parties may submit comments, data, views, or arguments concerning this proposed rulemaking. All comments must be in writing and should be addressed to Judy Umuna, Bureau of Rules and Regulations, Illinois Department of Public Aid, 100 South Grand Ave. E., 3rd Floor, Springfield, Illinois 62762. The Department will consider all written comments it receives within 30 days after the publication of this notice.

- 12) Initial Regulatory Flexibility Analysis:

A) Date proposed rulemaking was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs: Not applicable

B) Types of small businesses affected: None

C) Reporting, bookkeeping or other procedures required for compliance: None

D) Types of professional skills necessary for compliance: None

The full text of the Proposed Amendments begins on the next page:

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TITLE 89: SOCIAL SERVICES
CHAPTER I: DEPARTMENT OF PUBLIC AID
SUBCHAPTER b: ASSISTANCE PROGRAMS

PART 112

AID TO FAMILIES WITH DEPENDENT CHILDREN

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112.1	Description of the Assistance Program
112.5	Incorporation By Reference

SUBPART B: NON-FINANCIAL FACTORS OF ELIGIBILITY

Section	
112.8	Caretaker Relative
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112.10	Citizenship
112.20	Residence
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112.54	Assignment of Medical Support Rights
112.60	Lack of Parental Support or Care
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SUBPART C: PROJECT CHANCE

Section	
112.70	Participation Requirements For Project Chance
112.71	Exemption From Project Chance
112.72	Project Chance Participation/Cooperation Requirements
112.73	Failure to Participate with the Work Incentive Demonstration Program (renumbered)
112.74	Project Chance Initial Assessment Process/Development of an Implementation Plan
112.75	Project Chance Assessment
112.77	Mediation and Fair Hearing
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112.80	Good Cause for Failure to Comply with Project Chance Participation Requirements
112.81	Exemption From Relative Eligibility For Project Chance

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112.82 Project Chance Supportive Services
 112.83 Young Parents Program
 112.84 Work Experience Evaluation Project
 112.85 Four Year College/Vocational Training Demonstration Project

SUBPART E: PROJECT ADVANCE

Section
 112.86 Project Advance
 112.87 Project Advance Experimental and Control Groups
 112.88 Project Advance Participation Requirements of Experimental Group Members and Adjudicated Fathers
 112.89 Project Advance Cooperation Requirements of Experimental Group Members and Adjudicated Fathers
 112.90 Project Advance Sanctions
 112.91 Good Cause for Failure to Comply with Project Advance
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AUTHORITY: Implementing Article IV and authorized by Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1991, ch. 23, pars. 4-1 et seq. and 12-13)[305 ILCS 5/4-1 et seq. and 5/12-13]

SOURCE: Filed effective December 30, 1977; peremptory amendment at 2 Ill. Reg. 17, p. 117, effective February 1, 1978; amended at 2 Ill. Reg. 31, p. 134, effective August 5, 1978; emergency amendment at 2 Ill. Reg. 37, p. 4, effective August 30, 1978, for a maximum of 150 days; peremptory amendment at 2 Ill. Reg. 46, p. 44, effective November 1, 1978; peremptory amendment at 2 Ill. Reg. 46, p. 56, effective November 1, 1979; emergency amendment at 2 Ill. Reg. 16, p. 41, effective April 9, 1979, for a maximum of 150 days; peremptory amendment at 3 Ill. Reg. 28, p. 182, effective July 1, 1979, for a maximum of 150 days; amended at 3 Ill. Reg. 33, p. 399, effective August 18, 1979; amendment at 3 Ill. Reg. 33, p. 415, effective August 18, 1979; amendment at 3 Ill. Reg. 38, p. 243, effective September 21, 1979, peremptory amendment at 3 Ill. Reg. 38, p. 321, effective September 7, 1979; amended at 3 Ill. Reg. 40,

- P. 140, effective October 6, 1979; amended at 3 Ill. Reg. 46, p. 36, effective November 2, 1979; amended at 3 Ill. Reg. 47, p. 96, effective November 13, 1979; amended at 3 Ill. Reg. 48, p. 1, effective November 15, 1979; peremptory amendment at 4 Ill. Reg. 9, p. 259, effective February 22, 1980; amended at 4 Ill. Reg. 10, p. 258, effective February 25, 1980; amended at 4 Ill. Reg. 12, p. 551, effective March 10, 1980; amended at 4 Ill. Reg. 27, p. 387, effective June 24, 1980; emergency amendment at 4 Ill. Reg. 29, p. 294, effective July 8, 1980, for a maximum of 150 days; amended at 4 Ill. Reg. 37, p. 797, effective September 2, 1980; amended at 4 Ill. Reg. 37, p. 800, effective September 2, 1980; amended at 4 Ill. Reg. 45, p. 134, effective October 27, 1980; amended at 5 Ill. Reg. 766, effective January 2, 1981; amended at 5 Ill. Reg. 1134, effective January 26, 1981; peremptory amendment at 5 Ill. Reg. 5722, effective June 1, 1981; amended at 5 Ill. Reg. 7071, effective June 23, 1981; amended at 5 Ill. Reg. 7104, effective June 23, 1981; amended at 5 Ill. Reg. 8041, effective July 27, 1981; amended at 5 Ill. Reg. 8052, effective July 24, 1981; peremptory amendment at 5 Ill. Reg. 8106, effective August 1, 1981; peremptory amendment at 5 Ill. Reg. 10062, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10079, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10095, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10113, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10124, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10131, effective October 1, 1981; amended at 5 Ill. Reg. 10730, effective October 1, 1981; amended at 5 Ill. Reg. 10733, effective October 1, 1981; amended at 5 Ill. Reg. 10760, effective October 1, 1981; amended at 5 Ill. Reg. 10767, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 11647, effective October 16, 1981; peremptory amendment at 6 Ill. Reg. 611, effective January 1, 1982, amended at 6 Ill. Reg. 1216, effective January 14, 1982; emergency amendment at 6 Ill. Reg. 2447, effective March 1, 1982, for a maximum of 150 days; peremptory amendment at 6 Ill. Reg. 2452, effective February 11, 1982; peremptory amendment at 6 Ill. Reg. 6475, effective May 18, 1982; peremptory amendment at 6 Ill. Reg. 7299, effective May 20, 1982; emergency amendment at 6 Ill. Reg. 7299, effective June 2, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 8115, effective July 1, 1982; amended at 6 Ill. Reg. 8142, effective July 1, 1982; amended at 6 Ill. Reg. 8159, effective July 1, 1982; amended at 6 Ill. Reg. 10070, effective August 26, 1982; amended at 6 Ill. Reg. 11921, effective September 21, 1982; amended at 6 Ill. Reg. 12293, effective October 1, 1982; amended at 6 Ill. Reg. 12318, effective October 1, 1982; amended at 6 Ill. Reg. 12344, effective November 1, 1982. Rules repealed, new rules adopted and codified at 7 Ill. Reg. 907, effective January 11, 1983; rules repealed and new rules adopted and codified at 7 Ill. Reg. 2720, effective February 28, 1983. Sections being codified with no substantive change at 7 Ill. Reg. 5195; amended at 7 Ill. Reg. 11284, effective August 26, 1983; amended at 7 Ill. Reg. 13920, effective October 7, 1983; amended at 7 Ill. Reg. 15690, effective November 9, 1983; amended (by adding sections being codified with no substantive change) at 7 Ill. Reg. 16105; amended at 7 Ill. Reg. 17148, effective December 21, 1983; amended at 8 Ill. Reg. 213, effective December 27, 1983; emergency amendment at 8 Ill. Reg. 569, effective January

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1, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 4176, effective March 19, 1984; amended at 8 Ill. Reg. 5207, effective April 9, 1984; amended at 8 Ill. Reg. 7226, effective May 16, 1984; amended at 8 Ill. Reg. 11391, effective June 27, 1984; amended at 8 Ill. Reg. 12333, effective June 29, 1984; amended (by adding sections being codified with no substantive change) at 8 Ill. Reg. 17894; peremptory amendment at 8 Ill. Reg. 18127, effective October 1, 1984; peremptory amendment at 8 Ill. Reg. 19889, effective October 1, 1984; amended at 8 Ill. Reg. 19983, effective October 3, 1984; emergency amendment at 8 Ill. Reg. 21666, effective October 19, 1984 for a maximum of 150 days; amended at 8 Ill. Reg. 21621, effective October 23, 1984; amended at 8 Ill. Reg. 25023, effective December 19, 1984; amended at 9 Ill. Reg. 282, effective January 1, 1985; amended at 9 Ill. Reg. 4062, effective March 15, 1985; amended at 9 Ill. Reg. 8155, effective May 17, 1985; emergency amendment at 9 Ill. Reg. 10094, effective June 19, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 11317, effective July 5, 1985; amended at 9 Ill. Reg. 12795, effective August 9, 1985; amended at 9 Ill. Reg. 15887, effective October 4, 1985; amended at 9 Ill. Reg. 16277, effective October 11, 1985; amended at 9 Ill. Reg. 17827 effective November 18, 1985; emergency amendment at 10 Ill. Reg. 354, effective January 1, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 1172, effective January 10, 1986; amended at 10 Ill. Reg. 3641, effective January 30, 1986; amended at 10 Ill. Reg. 4885, effective March 7, 1986; amended at 10 Ill. Reg. 8118, effective May 1, 1986; amended at 10 Ill. Reg. 10628, effective June 1, 1986; amended at 10 Ill. Reg. 11017, effective June 6, 1986; Sections 112.78 through 112.86 and 112.88 recodified to 89 Ill. Adm. Code 160 at 10 Ill. Reg. 11928; emergency amendment at 10 Ill. Reg. 12107, effective July 1, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 12650, effective July 14, 1986; amended at 10 Ill. Reg. 14681, effective August 29, 1986; amended at 10 Ill. Reg. 15101, effective September 5, 1986; amended at 10 Ill. Reg. 15621, effective September 19, 1986; amended at 10 Ill. Reg. 21860, effective December 12, 1986; amended at 11 Ill. Reg. 2280, effective January 16, 1987; amended at 11 Ill. Reg. 3140, effective January 30, 1987; amended at 11 Ill. Reg. 4682, effective March 6, 1987; amended at 11 Ill. Reg. 5223, effective March 11, 1987; amended at 11 Ill. Reg. 6228, effective March 20, 1987; amended at 11 Ill. Reg. 9927, effective May 15, 1987; amended at 11 Ill. Reg. 12003, effective November 1, 1987; emergency amendment at 11 Ill. Reg. 12432, effective July 10, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 12908, effective July 30, 1987; emergency amendment at 11 Ill. Reg. 12935, effective August 1, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 13625, effective August 1, 1987; amended at 11 Ill. Reg. 14755, effective August 26, 1987; amended at 11 Ill. Reg. 18679, effective November 1, 1987; emergency amendment at 11 Ill. Reg. 18781, effective November 1, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 20114, effective December 4, 1987; Sections 112.90 and 112.95 recodified to Sections 112.52 and 112.54 at 11 Ill. Reg. 20610; amended at 11 Ill. Reg. 20889, effective December 14, 1987; amended at 12 Ill. Reg. 844, effective January 1, 1988; emergency amendment at 12 Ill. Reg. 1929, effective January 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 2126, effective January 12, 1988; SUBPARTS C, D and E recodified to SUBPARTS G, H

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and I at 12 Ill. Reg. 2136; amended at 12 Ill. Reg. 3487, effective January 22, 1988; amended at 12 Ill. Reg. 6159, effective March 18, 1988; amended at 12 Ill. Reg. 6694, effective March 22, 1988; amended at 12 Ill. Reg. 7336, effective May 1, 1988; amended at 12 Ill. Reg. 7673, effective April 20, 1988; amended at 12 Ill. Reg. 9032, effective May 20, 1988; amended at 12 Ill. Reg. 10481, effective June 13, 1988; amended at 12 Ill. Reg. 14172, effective August 30, 1988; amended at 12 Ill. Reg. 14669, effective September 16, 1988; amended at 13 Ill. Reg. 70, effective January 1, 1989; amended at 13 Ill. Reg. 6017, effective April 14, 1989; amended at 13 Ill. Reg. 8567, effective May 22, 1989; amended at 13 Ill. Reg. 16006, effective October 6, 1989; emergency amendment at 13 Ill. Reg. 16142, effective October 2, 1989, for a maximum of 150 days; emergency expired March 1, 1990; amended at 14 Ill. Reg. 705, effective January 1, 1990; amended at 14 Ill. Reg. 3170, effective February 13, 1990; amended at 14 Ill. Reg. 3575, effective February 23, 1990; amended at 14 Ill. Reg. 6306, effective April 16, 1990; amended at 14 Ill. Reg. 10379, effective June 20, 1990; amended at 14 Ill. Reg. 13652, effective August 10, 1990; amended at 14 Ill. Reg. 14140, effective August 17, 1990; amended at 14 Ill. Reg. 16937, effective September 30, 1990; emergency amendment at 15 Ill. Reg. 338, effective January 1, 1991, for a maximum of 150 days; emergency amendment at 15 Ill. Reg. 2862, effective February 4, 1991, for a maximum of 150 days; emergency expired July 4, 1991; amended at 15 Ill. Reg. 5275, effective April 1, 1991; amended at 15 Ill. Reg. 5684, effective April 10, 1991; amended at 15 Ill. Reg. 11127, effective July 19, 1991; amended at 15 Ill. Reg. 11447, effective July 25, 1991; amended at 15 Ill. Reg. 14227, effective September 30, 1991; amended at 15 Ill. Reg. 17308, effective November 18, 1991; amended at 16 Ill. Reg. 9972, effective June 15, 1992; emergency amendment at 16 Ill. Reg. 11652, effective July 1, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 11550, effective July 15, 1992; emergency amendment at 16 Ill. Reg. 13629, effective September 1, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 17724, effective November 9, 1992; amended at 16 Ill. Reg. 20147, effective December 14, 1992; amended at 17 Ill. Reg. 357, effective December 24, 1992; amended at 17 Ill. Reg. 813, effective January 15, 1993; amended at 17 Ill. Reg. 2253, effective February 15, 1993; amended at 17 Ill. Reg. —, effective _____.

NOTE: CAPITALIZATION DENOTES STATUTORY LANGUAGE.

SUBPART C: PROJECT CHANCE

Section 112.78 Project Chance Components

a) Education (Below Post Secondary)

Participants who are determined ready to participate but in need of education are referred to the education component. In this component, the individual receives information, referral, counseling services and supportive services to increase the individual's employment potential. Participants may be referred to testing,

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Section 112.78(a) (continued)

counseling and education resources. Educational activities will include basic and remedial education; English proficiency classes; high school or its equivalency (e.g., GED) or alternative education at the secondary level; and with any educational program, structured study time to enhance successful participation.

1) Assignment to Education (Below Post Secondary)

A) Individuals to be assigned to Education may include but are not limited to the following:

- i) custodial parents under age twenty (20) who do not have a high school degree or equivalent;
- ii) individuals with limited English proficiency;
- iii) individuals age twenty (20) and over who do not read at or above a 9.9 grade level; and
- iv) individuals age twenty (20) and over who do not have a high school degree or its equivalent and wish to obtain one.

B) Parents ages sixteen (16) and seventeen (17) may be excused from educational activities if the parent is unable to participate in educational activities due to his/her own mental or physical illness or that of his/her spouse or child, is homeless, or is experiencing family or personal crisis. This shall include but not be limited to domestic violence and a child's suspension from school.

C) Parents age eighteen (18) and nineteen (19) may be assigned to training or work activities instead of educational activities if:

- i) the parent fails to make good progress in successfully completing education activities, or
- ii) prior to assignment, the parent had made an arrangement to participate in a training program that is approved by the Project Chance program; or
- iii) it is determined based on the assessment and the employment goal of the individual that educational activities are not appropriate.

NOTICE OF PROPOSED AMENDMENTS

Section 112.78(a)(1) (continued)

D) Educational activities may be combined with other component activities if it is determined appropriate.

2) Approval criteria for education (Below Post Secondary)

- A) The individual's program must be accredited under state law.
- B) The individual's program must be needed for the participant to complete his or her employability plan.
- C) The individual must be enrolled full-time as defined by the institution or part-time if a full-time program is not available or appropriate.
- D) When programs of comparable quality are available in more than one geographical area, the program selected will be the least costly in transportation supportive service costs to the Department. When programs of comparable quality are available in the same geographical area, the individual may select a preferred program.

3) Participation Requirements

A) Participation must be full time unless a full-time program is not readily available or a part-time program is most appropriate based on the individual's or family's circumstances.

B) The individual must maintain attendance of at least 75% of scheduled activities unless there is good cause for missing more.

C) Clients attending a program administered by the Illinois State Board of Education (ISBE) must maintain satisfactory progress as determined by the following:

- i) active participation and pursuit of educational objectives;
- ii) teacher's written remarks;
- iii) grades;
- iv) demonstrated competencies;
- v) classroom exercises; and

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Section 112.78(a)(3)(c) (continued)

- vi) periodic test/retest results.
- D) ISBE educational providers determine satisfactory progress based on a combination of the indicators listed above and test/retest results. The determination of satisfactory progress including test/retest results must be reported upon completion of the academic term or twice a year if the program is continuous for twelve (12) months.
- E) Clients attending a program not administered by ISBE must maintain satisfactory progress as determined by the written policy of the institution. The determination of satisfactory progress including test/retest results must be reported upon completion of the academic term or twice a year if the program is continuous for twelve (12) months.
- F) The individual must participate twenty (20) hours each week unless special circumstances prevent twenty (20) hours of participation each week.

b) Job Skills Training (Vocational)

Job Skills Training is designed to increase the individual's ability to obtain and maintain employment. Job Skills Training activities will include vocational skill classes designed to increase a participant's ability to obtain and maintain employment. Job Skills Training may include certificate programs.

- 1) Self-initiated activity qualifies as "self initiated education or training" for this component if:
 - A) The participant is attending at least half-time as defined by the institution;
 - B) The participant is making satisfactory progress in such institution, school or course;
 - C) The course of study is consistent with the individual's employment goal; and
 - D) The participant meets the assignment and approval criteria under the provisions of Section 112.78(b)(2)(A) thru (J).
- 2) Approval Criteria For Job Skills Training (Vocational)

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Section 112.78(b)(2) (continued)

- A) The individual's program must be accredited under requirements of state law.
- B) The individual must be underemployed or unemployed and in need of additional training.
- C) The individual must have a high school diploma or GED if required for training requirements and/or employment in the chosen field.
- D) The individual must apply for all available educational benefits such as the Pell grant and scholarships from the Illinois Student Assistance Commission, as well as any scholarship or grants identified by the education or training facility for which the participant may be eligible.
- E) The individual must be enrolled full-time as defined by the institution or part-time if full-time is not available or appropriate.
- F) When the individual possesses an associate degree, license or certificate, the program selected must result in an increase in the level of the individual's earnings upon completion. Otherwise, no additional training will be approved unless, due to a change in the economy or occupation, there are not jobs available in the individual's chosen occupation. If the individual possesses a baccalaureate degree, no additional education or training will be approved.
- G) The individual must be in a program needed for the individual to obtain employment in a recognized occupation.
- H) Jobs must be available in the chosen field in a specific geographical area where the individual intends to work consistent with the individual's employability plan upon completion.
- I) When programs of comparable quality are available in more than one geographical area, the program selected will be the least costly in transportation supportive service costs to the Department. When programs of comparable quality are available in the same geographical area, the individual may select a preferred program.

Section 112.78(b)(2) (continued)

- J) Job skills training may be combined with other component activities if it is determined appropriate.
- K) The individual must possess the aptitude, ability and interest necessary for success in the selected program as determined by such factors as test results and educational/training background.

3) Participation Requirements

- A) Participation must be full-time unless a full-time program is not readily available or a part-time program is most appropriate based on the individual's or family's circumstances.
- B) The individual must maintain attendance of at least 75% unless there is good cause for missing more.
- C) The individual must maintain a "C" average if this measurement is used by the institution to determine satisfactory progress. The individual will be allowed one semester below a "C" average to bring the grades up to a "C" average. When grades are not used, progress will be determined by the written policy of the institution to establish a comparable grade level upon completion of the academic term.
- D) The individual must participate twenty (20) hours each week unless special circumstances prevent twenty (20) hours of participation each week.
- E) The client must complete all scheduled program enrollment hours each academic term to maintain satisfactory progress, except in the following situation. If the client withdraws from one or more scheduled courses during an academic term, the client must complete all scheduled enrollment hours during the following academic term. The client may withdraw from one or more scheduled classes in more than one academic term, but must complete all scheduled enrollment hours the following academic term to maintain satisfactory progress.

c) Job Readiness

Section 112.78(c) (continued)

- 1) The job readiness component is designed to enhance the quality of the individual's level of participation in the world of work while learning the necessary essentials to obtain and maintain employment. This component helps individuals gain the necessary job finding skills to help them find and retain employment that will lead to economic independence.
- 2) Assignment to Job Readiness
- Job readiness activities may be combined with other component activities if it is determined appropriate.
- 3) Participation requirements
- A) Participation must be full-time unless a full-time program is not readily available or a part-time program is most appropriate based on the individual's or family's circumstances.
- B) The individual must attend all scheduled classes or sessions. The individual must be making satisfactory progress as defined by the written policy of the job readiness provider and approved by the Department. If there is a job search component in the program, the individual must make up to ten (10) acceptable employer contacts in a thirty (30) day period unless the participant shows good faith effort (see subsection (d)(3)(B) for the definition of "good faith effort").

C) The individual must participate twenty (20) hours each week unless special circumstances prevent twenty (20) hours of participation each week.

D) The individual must respond to a job referral, accept employment and respond to mail-in contact.

d) Job Search

1) Description of Job Search

Job Search may be conducted individually or in groups. Job Search includes the provision of counseling, job seeking skills training and information dissemination. Group job search may include training in a group session.

2) Assignment to Job Search

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Section 112.78(d)(2) (continued)

- A) Participation in the Job Search component can not be in excess of eight (8) weeks (or its equivalent) in any period of twelve (12) consecutive months.
- B) Job ready individuals may be assigned to Job Search. Individuals completing education or training or job skills training or job readiness training may be assigned to Job Search.
- C) Job Search may be combined with other component activities if it is determined appropriate.

3) Participation Requirements

- A) Participants must attend all scheduled classes or sessions. Participants will be notified in writing of all meetings.
- B) Individuals must contact employers in an effort to secure employment. Participants must make up to twenty (20) acceptable employer contacts in a 30-day period unless the participant shows good faith effort. Good faith effort exists when circumstances beyond the control of the participant prevent the individual from making the required number of contacts. Good faith effort may include, but is not limited to the following:

- i) the participant appears for a scheduled interview and the employer misses the appointment;
- ii) the participant makes less than the required number of acceptable employer contacts, but came reasonably close to the required numbers in an effort to find work;
- iii) the participant fails a civil service or other employment screening test;
- iv) the participant completes an application which is not accepted by the employer;
- v) the participant's job search performance indicates that he/she should be in a different Project Chance component activity; and

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Section 112.78(d)(3)(B) (continued)

- vi) the participant has less than the required number of employer contacts based on the lack of available jobs in the geographical area.
- C) The individual must participate twenty (20) hours each week unless special circumstances prevent twenty (20) hours of participation each week.
- D) Acceptable employer contacts may include but are not limited to:
- i) a face-to-face contact with an employer or the employer's representative;
 - ii) the completion and return of an application to an employer;
 - iii) the completion of a civil service test required for employment with state, local, or the federal government or the completion of a Department of Employment Security (DES) screening test;
 - iv) the completion and mailing of a resume with a cover letter to a recognized employer;
 - v) reporting to the union hall for union members verified to be in good standing; or
 - vi) registration with DES.

e) Community Work Experience

Near job ready participants who have not found employment and who need orientation to work, work experience or training, in order to prevent deterioration of or to enhance existing skills are referred to the Community Work Experience component. Community Work Experience assignments are with not-for-profit and public agencies statewide. Not-for-profit and public agencies shall not use Community Work Experience participants to displace regular employees (see subsection (e)(4) below). Work experience programs shall be limited to those which serve a public purpose in fields such as health, social service, environmental protection, education, urban and rural development and redevelopment, welfare, recreation, public facilities, public safety, and child care. Participants in Community Work Experience may perform work in the public interest (which otherwise meets the requirements of this Section) for a Federal

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Section 112.78(e) (continued)

office or agency with its consent, and, notwithstanding (31 U.S.C. 1342), or any other provision of law, such agency may accept such services, but such participants shall not be considered to be Federal employees for any purpose.

1) Assignment to Community Work Experience

A) The Community Work Experience component is for participants determined:

- i) to have no recent work history or employer references taking into consideration such factors as the educational background and previous training; or
- ii) to need experience to prevent deterioration of or to enhance existing skills (e.g., typing).

B) Entry into Community Work Experience

Participants are determined to be eligible for the Community Work Experience component, based on an assessment of their education, training and employment history. Procedures used in the assessment are a face-to-face meeting with the participant and a review of all available information on the participant (including but not limited to the participant's case record).

C) Community Work Experience Eligibility

A participant shall be assigned to a Community Work Experience position based on his work history, prior training, experience, skills and vocational preference. The date the participant is scheduled to begin the work assignment marks the beginning of participation in Community Work Experience.

D) Community Work Experience activities may be combined with other component activities.

2) Participation Requirement

A) Work assignment consists of three 30 day periods. The participant is to appear at the work assignment beginning the three 30 day periods. The hours of the assignment for a 30 day period shall not exceed the

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Section 112.78(e)(2)(A) (continued)

family's AFDC grant received in the fiscal month during which the assignment is made divided by the higher of the State or Federal minimum wage or the rate of pay for individuals employed in the same or similar occupations by the same employer at the same site (as determined by the Work Experience Sponsor and the Department). (A fiscal month is a month that starts with a given day in one calendar month and ends with the day before that same given day in the next calendar month.) The portion of a recipient's aid for which the State is reimbursed by a child support collection (except for the \$50 pass through) shall be excluded in determining the maximum number of hours that the participant is required to work. In order to provide consistency for both work assignment sponsors and participants, the required number of hours will be rounded down to forty (40) or eighty (80) hours. The minimum number of hours that must be completed within a 30-day period is forty (40) hours, and the maximum number of hours that must be completed within a 30-day period is eighty (80) hours.

B) During work assignment, the participant shall be required to make up to ten (10) employer contacts per month if participating in a forty (40) hour work assignment, or five (5) employer contacts per month if participating in an eighty (80) hour work assignment unless the participant shows good faith effort (see subsection (d)(3)(B) for the definition of "good faith effort") or participates in education and training programs. Participants are required to accept bona fide offers of employment pursuant to Section 112.72.

C) Participants are also required to report as scheduled and on time to their work assignment Sponsor when notified of an assignment. When they cannot report to their work assignment or if they will be late, they are to immediately notify their work assignment Sponsor.

D) The individual must participate twenty (20) hours each week unless special circumstances prevent twenty (20) hours of participation each week. The client must maintain satisfactory participation of at least 75% of all scheduled hours each month. Participation may include but is not limited to activities such as the work assignment, the completion of employer contacts and attendance in education/training programs.

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

Section 112.78(e) (continued)

3) Reassessment

At the end of the third 30-day period, the mandatory registrant's employability will be evaluated using the procedures and criteria described in Section 112.74. If continuing the work assignment will benefit the mandatory registrant in terms of furthering work skills (see subsection (e)(1)(A) and (B)), the mandatory registrant shall be reassigned to the work assignment. Otherwise, the mandatory registrant will be assessed for assignment to another Project Chance component.

4) Length of Assignment

An individual cannot be assigned to Community Work Experience for more than a total of six (6) months.

5) Displacement

A) The Work Experience Sponsor shall not use participants to:

- i) displace persons who are already employed as regular full-time or part-time employees of the Sponsor, regardless of whether those employees are on active status or are on leave status due to disability, personal reasons, or any other reason. This includes partial displacement such as reduction in hours of non-overtime work, wages or employment benefits; or
- ii) displace persons who are or have been involved in a labor dispute between a labor organization and the Sponsor; or
- iii) impair existing contracts for services or collective bargaining agreements; or
- iv) infringe in any way upon promotional opportunities of any currently employed individual; or
- v) fill any established unfilled position vacancy; or
- vi) displace persons who have been laid off or terminated by the Sponsor or if the Sponsor has otherwise reduced its workforce.

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NOTICE OF PROPOSED AMENDMENTS

Section 112.78(e)(5) (continued)

- B) Participant's, other employees at the work site or their representatives may file a grievance with the Department if they believe their work assignments are causing a displacement. In order for the Department to consider a grievance, it must be in writing and contain the following information:
- i) the name and address of the participant or other employee at the work site i.e., the grievant;
 - ii) the participant's public aid case number;
 - iii) the participant's or other employee's (at the work site) social security number;
 - iv) Work Experience (work site); and
 - v) a statement as to why the participant or other employee at the work site believes he or she is causing displacement.
- C) Within ten (10) days of receipt of a written grievance, the Department shall arrange an in-person conference with:
- i) the participant or other employee at the work site;
 - ii) the participant's or other employee's (at the work site) representative, if any;
 - iii) the Work Experience Sponsor;
 - iv) the Work Experience Sponsor's representative, if any; and
 - v) the Department's representative.
- D) At the in-person conference, the Department shall solicit and receive from the participant or other employee at the work site and the Work Experience Sponsor any documents and statements relevant to the matters alleged in the grievance. The Work Experience Sponsor shall provide whatever documents or other information requested by the participant and/or the Department.

Section 112.78(e)(5) (continued)

- E) Within fifteen (15) days of the in-person conference, the Department shall advise the participant or other employee at the work site and the Work Experience Sponsor in writing of the information obtained in the investigation and of the findings and conclusions as to the matters alleged in the grievance.
- F) If the Department concludes that displacement occurred (as described in subsection (e)(5)(A) above), the Department shall terminate the participant's assignment to that Work Experience Sponsor. If the Department concludes, as a result of the evidence presented at the conference, that the Work Experience Sponsor has caused displacement by use of Project Chance participants in addition to the participant, then the Department shall terminate those Project Chance participants' assignment to that work assignment Sponsor.

- G) All participants and other employees at the work site are assured that no retaliation will be taken against them by the Department, its employees, or the Work Experience Sponsor for filing a grievance or otherwise proceeding under this policy.

f) On the Job Training (OJT)

In OJT, a participant is hired by a private or public employer and while engaged in productive work receives training that provides knowledge or skills essential to full and adequate performance of the job.

- 1) Assignment to OJT
- A) Job ready individuals may be assigned to OJT.
- B) OJT participants shall be compensated at the same rate and with the same benefits as other employees.
- C) Wages to participants in OJT shall not be less than the higher of the State or Federal minimum wage.
- D) Wages to participants in OJT are considered earned income.
- E) OJT may be combined with other component activities if it is determined appropriate.

Section 112.78(f) (continued)

2) Participation Requirement

- A) The participant must attend all scheduled days.

- B) The individual must participate twenty (20) hours each week unless special circumstances prevent twenty (20) hours of participation each week.

3) Supportive Services

Participants in OJT receive child care and medicaid benefits through the AFDC program, not Project Chance.

g) Exchange Program (see Section 112.98)

h) Post Secondary Education

Individuals may be referred to post secondary education programs. Post secondary education must be administered by an educational institution accredited under requirements of State law including, but not limited to, The Barber, Cosmetology and Esthetics Act of 1985 (Ill. Rev. Stat. 1989, ch. 111, par. 1701-1 et seq.), the Real Estate License Act of 1983 (Ill. Rev. Stat. 1989, ch. 111, par. 5801 et seq.), the Public Community College Act (Ill. Rev. Stat. 1989, ch. 122, par. 101.1 et seq.), the University of Illinois Act (Ill. Rev. Stat. 1989, ch. 144, par. 21m et seq.), the Regency Universities Act (Ill. Rev. Stat. 1989, ch. 144, par. 301 et seq.) and Southern Illinois University Name Change Act (Ill. Rev. Stat. 1989, ch. 144, par. 599 et seq.).

- 1) Self-initiated activity qualifies as "self initiated education or training" for this component if:

- A) The participant is attending at least half-time as defined by the institution;
- B) The participant is making satisfactory progress in such institution, school or course;
- C) The course of study is consistent with the individual's employment goal; and
- D) The participant meets the assignment and approval criteria under the provisions of Section 112.78(h)(2)(A) thru (n).
- 2) Approval Criteria For Post Secondary Education

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

Section 112.78(h)(2) (continued)

- A) The individual must have a high school diploma or a GED.
- B) The individual must possess the aptitude, ability and interest necessary for success in the selected program as determined by such factors as test results and educational/training background.
- C) The individual must be enrolled full-time as defined by the institution or part-time if a full-time program is not available or appropriate.
- D) The individual must be in a program needed for the individual to obtain employment in a recognized occupation.
- E) The individual does not already possess a baccalaureate degree or an associate degree if the employability plan goal is an associate degree.
- F) If the participant possesses a baccalaureate degree, no additional education may be approved.
- G) The individual's program must be accredited under requirements of State law.
- H) The individual must apply for all available educational benefits such as the Pell grant and scholarship from the Illinois Student Assistance Commission, as well as any scholarship or grants identified by the education or training facility for which the participant may be eligible.
- I) Jobs, consistent with the individual's employability plan, must be available in the chosen field in a specific geographical area where the individual intends to work upon program completion.
- J) When programs of comparable quality are available in more than one geographical area, the program selected will be the least costly in transportation supportive service costs to the Department. When programs of comparable quality are available in the same geographical area, the individual may select a preferred program.
- K) The individual must supply all information requested on the "Postsecondary Baccalaureate Degree Program Application"

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

Section 112.78(h)(2)(K) (continued)

- form if the Employability plan goal is a Bachelor of Science or Bachelor of Arts degree.
- L) The program selected may be no more than a program that will result in the receipt of a Baccalaureate Degree.
- M) In a two-parent family, only one parent can participate in the Postsecondary Education component.
- 3) Participation Requirements
 - A) The individual must maintain attendance of at least 75% unless there is good cause for missing more.
 - B) The individual must maintain a "C" average if this measurement is used by the institution to determine satisfactory progress. The individual would be allowed one semester below a "C" average to bring the grades up to a "C" average. When grades are not used, satisfactory progress will be determined by the written policy of the institution to establish a comparable grade level upon completion of the academic term.
 - C) The individual must participate twenty (20) hours each week unless special circumstances prevent twenty (20) hours of participation each week.
 - D) The client must complete all scheduled program enrollment hours each academic term to maintain satisfactory progress, except in the following situation. If the client withdraws from one or more scheduled courses during an academic term, the client must complete all scheduled enrollment hours during the following academic term. The client may withdraw from one or more scheduled classes in more than one academic term, but must complete all scheduled enrollment hours the following academic term to maintain satisfactory progress.
 - i) Job Development and Placement (JDP)
 - 1) Project Chance staff shall develop through contacts with public and private employers unsubsidized job openings for participants. Job interviews will be secured for clients by the marketing of participants for specific job openings.
 - 2) Assignment to JDP

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NOTICE OF PROPOSED AMENDMENTS

Section 112.78(i)(2) (continued)

Job ready individuals may be assigned to JDP.

j) Job Retention

The job retention component is designed to assist participants in retaining employment. Initial employment expenses are provided. The individual's supportive service needs are assessed and the individual receives counseling regarding job retention skills. Counseling may continue up to three months after employment.

k) Unemployed Parent Work Experience

- 1) One parent in the AFDC-U case must participate in Unemployed Parent Work Experience unless he/she is exempt under one of the exemption criteria (see Section 112.71). If one parent is exempt, the other parent must participate in Unemployed Parent Work Experience unless he/she is also exempt.
- 2) Unemployed Parent Work Experience participants who are placed on a supervised work assignment improve their employment skills through actual work experience at not-for-profit organizations and governmental agencies. Participants are referred to work assignments as vacancies are available. Not-For-Profit organizations and governmental agencies shall not use Unemployed Parent Work Experience participants to displace regular employees (see subsection (k)(7) below).

- 3) The individual must participate in Unemployed Parent Work Experience for as long as he/she remains eligible for financial assistance or is determined exempt from Project Chance. Work assignments are for twenty (20) hours each week. Attendance in the work assignment is monitored monthly. A reassessment must be conducted with the participant at least every twelve (12) consecutive months.

4) Assignment to Work Experience

- A) The Unemployed Parent Work Experience participant who possesses a high school diploma or equivalent will be assigned to a work assignment. The participant who does not possess a high school diploma or equivalent and who has

- 1) age 25 and over may participate in educational activities below the postsecondary level in addition to his/her Unemployed Parent Work Experience work assignment; or

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NOTICE OF PROPOSED AMENDMENTS

Section 112.78(k)(4)(A) (continued)

- ii) age 20 through 24 may choose to participate in educational activities below the postsecondary level in addition to or instead of the Unemployed Parent Work Experience work assignment. The individual must participate twenty (20) hours each week in the Education (below postsecondary) component if he/she chooses this component instead of the Unemployed Parent Work Experience work assignment. If the individual fails to make satisfactory academic progress in the Education (below postsecondary) component, the individual will be assigned to an Unemployed Parent Work Experience work assignment; or
- iii) under age 20 must participate twenty (20) hours each week in educational activities below the postsecondary level. The individual must meet the participation requirements of the Education (below postsecondary) component (see Section 112.78 (a)). If the individual fails to make satisfactory academic progress, the individual will be assigned to the Unemployed Parent Work Experience work assignment.

B) Entry into Unemployed Parent Work Experience

The Unemployed Parent Work Experience participant must be one parent in the AFDC-U case unless he/she is exempt under one of the exemption criteria (see Section 112.71). If one parent is exempt, the other parent must participate in Unemployed Parent Work Experience unless he/she is also exempt.

C) Unemployed Parent Work Experience Positions

A participant shall be assigned to an Unemployed Parent Work Experience position based on work history, prior training, experience, skills and vocational preference. The date the participant is scheduled to begin the work assignment marks the beginning of participation in Unemployed Parent Work Experience.

- 1) Unemployed Parent Work Experience activities may be combined with other component activities if it is determined appropriate.

5) Participation Requirements

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NOTICE OF PROPOSED AMENDMENTS

Section 112.78(k)(5) (continued)

- A) During the work assignment period, the client must make a good faith effort to complete five (5) employer contacts in each thirty (30) day period.
 - B) Failure to make the required number of employer contacts each thirty (30) day period without good cause may result in sanction. A client will not be sanctioned for failure to make a good faith effort to complete and provide verification of the required number of employer contacts (see Section 112.78 (d)(3)(B)).
 - C) The client must maintain satisfactory participation of at least 75% of all scheduled hours each month. Participation may include the work assignment, attendance in Education (below postsecondary), and/or completion of employer contact activities.
 - D) The client attending a work assignment must participate twenty (20) hours each week.
- 6) Reassessment
- A reassessment must be conducted with the participant at least every twelve (12) consecutive months.
- 7) Displacement

- A) The Work Experience Sponsor shall not use participants to:
 - i) displace persons who are already employed as regular full-time or part-time employees of the Sponsor, regardless of whether those employees are on active status or are on leave status due to disability, personal reasons, or any other reason. This includes partial displacement such as reduction in hours of non-overtime work, wages or employment benefits; or
 - ii) displace persons who are or have been involved in a labor dispute between a labor organization and the Sponsor; or
 - iii) impair existing contracts for services or collective bargaining agreements; or
 - iv) infringe in any way upon promotional opportunities of any currently employed individual; or

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NOTICE OF PROPOSED AMENDMENTS

Section 112.78(k)(7)(A) (continued)

- v) fill any established unfilled position vacancy; or
 - vi) displace persons who have been laid off or terminated by the Sponsor or if the Sponsor has otherwise reduced its workforce.
- B) Participants, other employees at the work site or their representatives may file a grievance with the Department if they believe their work assignments are causing displacement. In order for the Department to consider a grievance, it must be in writing and contain the following information:
- i) the name and address of the participant or other employee at the work site (i.e., the grievant);
 - ii) the participant's public aid case number;
 - iii) the participant's or other employee's (at the work site) social security number;
 - iv) Work Experience (work site); and
 - v) a statement as to why the participant or other employee at the work site believes he or she is causing displacement.
- C) Not more than ten (10) days after receipt of a written grievance, the Department shall arrange an in-person conference with:
- i) the participant or other employee at the work site;
 - ii) the participant's or other employee's (at the work site) representative, if any;
 - iii) the Work Experience Sponsor;
 - iv) the Work Experience Sponsor's representative, if any; and
 - v) the Department's representative.
- D) At the in-person conference, the Department shall solicit and receive from the participant or other employee at the work site and from the Work Experience Sponsor any

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NOTICE OF PROPOSED AMENDMENTS

Section 112.78(k)(7)(D) (continued)

documents and statements relevant to the matters alleged in the grievance. The Work Experience Sponsor shall provide whatever documents or other information requested by the participant and/or the Department.

E) Within fifteen (15) days after the in-person conference, the Department shall advise the participant or other employee at the work site and the Work Experience Sponsor in writing of the information obtained in the investigation and of the findings and conclusions as to the matters alleged in the grievance.

F) If the Department concludes that displacement occurred (as described in subsection (e)(5)(A)(i) above), the Department shall terminate the participant's assignment to that Work Experience Sponsor. If the Department concludes, as a result of the evidence presented at the conference, that the Work Experience Sponsor has caused displacement by use of Project Chance participants in addition to the participant, then the Department shall terminate those Project Chance participants' assignment to that Work Experience Sponsor.

G) All participants and other employees at the work site are assured that no retaliation will be taken against them by the Department, its employees, or the Work Experience Sponsor for filing a grievance or otherwise proceeding under this policy.

1) Self-Employment

Self-Employment components will increase the individual's ability to start and maintain a business. Self-employment activities will include self-employment development training programs, technical assistance programs, and a two year exemption of business assets and income for participants. In order to be approved in the self employment component, the self employment development plan must be approved.

1) Assignment to Self-Employment

Applicants must have a GED or high school diploma, some work experience and/or proven ability or have a plan that indicates success can be obtained without these requirements.

2) Participation Requirements

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

Section 112.78(1)(2) (continued)

Participants must attend at least 75% of classroom activities.

3) Self-Employment Asset and Income Exemptions

In order to qualify for a two year self-employment exemption of the business assets and income, the individual must:

- A) complete a self-employment program or demonstrate equivalent knowledge and experience; and
- B) submit a business plan which includes the following items:
 - i) verification that the business can be started for under \$5,000;
 - ii) verification that a loan, if needed, has been secured or that an application for a loan is pending;
 - iii) a marketing plan which includes a complete product or service description, the market area, the target customers and promotional strategy, an analysis of the competition, distribution, pricing and selling methods; and
 - iv) a financial plan which includes the amount of loan the business will need and the repayment plan, the projected monthly cash flow over a two year period, the estimated cost of production and/or distribution, and the estimated operating expenses.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

SUBPART G: FINANCIAL FACTORS OF ELIGIBILITY

Section 112.145 Earned Income From Self-Employment

- a) Income realized from self employment shall be considered earned income.
- b) Accurate and complete records shall be kept on all monies received and spent through self employment. If the individual fails or refuses to maintain complete business records, the assistance unit shall be ineligible.

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NOTICE OF PROPOSED AMENDMENTS

Section 112.145 (continued)

- c) Business expenses shall be verified. The individual shall have full responsibility for proof of any business expense. No deduction shall be allowed for depreciation, obsolescence and/or similar losses in the operation of the business. Gross income from the business shall be turned back into the business only to replace stock actually sold. Business expenses include funds reinvested into the business except for the purchase of real estate or depreciation.
- d) The net income shall be the gross remaining after the replacement of stock and business expenses have been considered, and the \$90.00 appropriate employment expenses (see Section 112.143). The earned income exemption, if applicable, shall then be computed and deducted from the remaining earned income. The child care expenses (see Section 112.143) shall then be deducted from the remaining earned income.
- e) Self-employment income, for those individuals who have approved self-employment plans under Section 112.178, is to be gross income less business expenses and the \$90.00 appropriate employment expenses (see Section 112.143). Business expenses shall be computed as defined in subsection (c). The earned income exemption, if applicable, shall then be computed and deducted from the remaining earned income. The child care expenses (see Section 112.143) shall then be deducted from the remaining earned income.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 112.151 Exempt Assets

- a) The following assets are exempt from consideration in determining eligibility for assistance and the amount of the assistance payment:
- 1) A home which is the usual residence of the assistance unit.
 - 2) Clothing, personal effects and household furnishings.
 - 3) One automobile if the equity value does not exceed \$1500.
 - 4) The value of the coupon allotment under the Food Stamp Act of 1977 (7 U.S.C. 2011 et seq.).
 - 5) The value of the U.S. Department of Agriculture donated foods (surplus commodities).

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NOTICE OF PROPOSED AMENDMENTS

Section 112.151(a) (continued)

- 6) The value of supplemental food assistance received under the Child Nutrition Act of 1966 (42 U.S.C. 1771 et seq.) as amended, and the special food service program for children under the National School Lunch Act (42 U.S.C. 1751 et seq.), as amended.
 - 7) The principal and interest of a trust fund which, upon petition, the court refuses to release and one time only payments released for a specific purpose other than income maintenance needs of the child.
 - 8) Burial plots.
 - 9) Prepaid Funeral Agreements worth \$1500 or less per person.
 - 10) Donations or benefits from fund raisers held for a seriously ill client provided the client or a responsible relative of the client does not have control (e.g., not available to the client or the responsible relative) over the donations or benefits or the disbursement of the donations or benefits.
- b) In addition to the above, the following assets are exempt. These assets (listed in subsections (1) through (9) (10) below) remain exempt only as long as they can be separately identified if they are added to an existing account. If the amount of combined assets at any time, from the time of the receipt of the exempt asset(s) until the date of the eligibility determination or redetermination, fall below the amount of the exempted assets, only the lowest balance remains exempt.
- 1) The assets of a stepparent for purposes of determining the stepchild's eligibility.
 - 2) Any benefits received under Title VII, Nutrition Program for the Elderly of the Older Americans Act of 1965 (42 U.S.C. 3045 et seq.), as amended.
 - 3) Any payment received under Title II of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 U.S.C. 4601 et seq.).
 - 4) Any payments distributed per capita or held in trust for members of any Indian Tribe under P. L. 92-254, P. L. 93-134 or P. L. 94-540.
 - 5) Tax-exempt portions of payments made pursuant to the Alaska Native Claims Settlement Act (43 U.S.C. 1601 et seq.).

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

Section 112.151(b) (continued)

- 6) Federally subsidized housing payments under Section 8 of the Housing and Community Development Act of 1974 (42 U.S.C. 5301 et seq.), effective January 1, 1975, of the U.S. Housing Act of 1937, as amended.
- 7) Effective October 17, 1975, receipts distributed to certain Indian Tribal members of marginal land held by the United States government.
- 8) Payments to Volunteers under the 1973 Domestic Volunteer Service Act (42 U.S.C. 4951 et seq.). These include:
 - A) Volunteers In Service To America (Vista) volunteers (42 U.S.C. 4951 et seq.).
 - B) Volunteers serving as senior health aids, senior companions, foster grandparents or persons serving in the Service Corps of Retired Executives (SCORE) (15 U.S.C. 637 et seq.) and Active Corps of Executives (ACE) (15 U.S.C. 637 et seq.).
- 9) Any grant or loan to an undergraduate student for educational purposes made or insured under any programs administered by the Commissioner of Education.

10) For those individuals who have approved self-employment plans under Section 112.78, business assets must be separate from personal assets. Business assets are those assets that are directly related to producing goods and services that have been purchased after the business begins or as part of an approved self-employment plan (see Section 112.78). Business assets are considered exempt unless it is determined that the equity value (the value for which the asset can be sold less any amount owed on the asset) exceeds \$1,000. If the assets are determined to exceed \$1,000 but are less than \$5,000 the case is to be referred to the Bureau of AFDC Jobs Administration for review to ensure that the assets in excess of \$1,000 are appropriate as business assets. A determination of business assets will be completed two years after the plan is approved.

11) Any payments received under Title I of P. L. 100-383 of the Civil Liberties Act of 1988 (50 U.S.C. 1989b thru 1989d, et al.).

12) Any payment received under Title II of P. L. 100-383 of the Aleutian and Pribilof Islands Restitution Act (50 U.S.C. 1990a thru 1990c, et al.).

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NOTICE OF PROPOSED AMENDMENTS

Section 112.151(b) (continued)

- 13) Payments made to veterans who receive an annual disability payment or to the survivors of deceased veterans who receive a one time lump sum payment from the Agent Orange Settlement Fund or any other fund referencing Agent Orange product liability under P.L. 101-201.
- 14) Payments made by the Illinois Department of Mental Health and Developmental Disabilities under the Family Assistance Program for Mentally Disabled Children under P.A. 86-921.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

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NOTICE OF PROPOSED AMENDMENTS

1) Heading of the Part: Reimbursement For Nursing Costs For Geriatric Facilities

2) Code Citation: 89 Ill. Adm. Code 147

3) Section Numbers: Proposed Action:

147.25	Amendment
147.50	Amendment
147.150	Amendment
147.Table A	Amendment
147.Table B	Amendment
147.Table D	Amendment
147.Table E	Amendment
147.Table G	Repeal

4) Statutory Authority: Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1991, ch. 23, par. 12-13)[305 ILCS 5/12-13]

5) Complete Description of the Subjects and Issues Involved: Amendments are being proposed concerning a new reimbursement process for therapy services that are provided in nursing facilities. These services, which include speech, occupational and physical therapy services, and restorative program nursing assessments, are currently billed to the Department by nursing facilities on Form DPA 1443, Provider Invoice. Field staff from the Bureau of Long Term Quality Care (BLTQC) then conduct post payment audits to verify services. Under the proposed amendments, such services will be reviewed during a nursing facility's Inspection of Care (IOC) survey, and reimbursement will be calculated according to the survey results.

The current process of post payment audits regarding therapy services claims, is time consuming and not justified considering the funding amount associated with therapy services (\$900,000) or the low volume of facilities (350) billing for these services. The new reimbursement process will reduce staff time and result in greater overall efficiency.

During the transition of the reimbursement process to the IOC Program, a nursing facility providing therapy services will receive an add-on to the nursing component of its per diem. This add-on will be calculated by the Department according to historical data from paid claims and adjustments for the facility. Payment of the add-on amount will begin for January, 1993 services and continue until the facility's therapy services rate can be calculated on the basis of survey results from an IOC conducted during the calendar year 1993.

According to the proposed amendments, speech therapy has been moved to the Communication category, occupational therapy to the Occupational

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Rehabilitation Services category and physical therapy to the Physical Rehabilitation Services category of the IOC. Need Not Met language has been added for speech therapy, and some Need Not Met and Agency Note language currently under the Occupational and Physical Rehabilitation Services categories will be applicable to services rendered for occupational and physical therapy. Reimbursement times and allocations have been added to the appropriate Tables, and an additional minute of therapist time has been added to Level 1 of the Bathing/Grooming, Clothing, Eating and Mobility restorative and restorative maintenance categories in order to reimburse for assessment time.

Additional changes provide for the deletion of outdated language from Section 147.Tables A and B.

These proposed amendments are not expected to result in any additional expenditures by the Department.

6) Will these proposed amendments replace emergency amendments currently in effect? No

7) Does this rulemaking contain an automatic repeal date? No

8) Do these proposed amendments contain incorporations by reference? No

9) Are there any other proposed amendments pending on this Part? Yes

Sections	Proposed Action	Illinois Register Citation
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147.5	Amendment	February 16, 1993 (17 Ill. Reg. 1716)
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147.Table C	Amendment	February 16, 1993 (17 Ill. Reg. 1716)
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147.Table F	Amendment	February 16, 1993 (17 Ill. Reg. 1716)
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10) Statement of Statewide Policy Objectives: These proposed amendments do not affect units of local government.

11) Time, Place, and Manner in which Interested Persons may comment on this proposed rulemaking: Any interested parties may submit comments, data, views, or arguments concerning this proposed rulemaking. All comments must be in writing and should be addressed to Joanne Jones, Bureau of Rules and Regulations, Illinois Department of Public Aid, 100 South Grand Ave., 3rd Floor, Springfield, Illinois 62762. The Department will consider all written comments it receives within 30 days after the publication of this notice.

12) Initial Regulatory Flexibility Analysis:

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NOTICE OF PROPOSED AMENDMENTS

- A) Date proposed rulemaking was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs: March 30, 1993
- B) Types of small businesses affected: Nursing Facilities
- C) Reporting, bookkeeping or other procedures required for compliance: None
- D) Types of professional skills necessary for compliance: None

The full text of the Proposed Amendments begins on the next page:

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

TITLE 89: SOCIAL SERVICES
CHAPTER I: DEPARTMENT OF PUBLIC AID
SUBCHAPTER d: MEDICAL PROGRAMS

PART 147

REIMBURSEMENT FOR NURSING COSTS FOR
GERIATRIC FACILITIES

Section
147.5

Reimbursement For Nursing Costs For Geriatric Residents in Group Care Facilities
Comprehensive Resident Assessment
Functional Needs and Restorative Care Service Needs
Definitions
Reconsiderations
Midnight Census Report
Times and Staff Levels
Statewide Rates
Referrals
Basic Rehabilitation Aide Training Program
Nursing Rates
Costs Associated with the Omnibus Budget Reconciliation Act of 1987 (P.L. 100-203)
Determination of Program (Psychiatric Rehabilitation Services) Costs

147.15
147.25
147.50
147.75
147.100
147.105
147.125
147.150
147.175
147.200
147.205
147.250
147.300
147.305
147.310
147.315
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147.325
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147.345

Psychiatric Rehabilitation Service Requirements for Individuals With Mental Illness in Residential Facilities
Inspection of Care (IOC) Review Criteria for the Evaluation of Psychiatric Rehabilitation Services in Residential Facilities for Individuals with Mental Illness
Comprehensive Functional Assessments and Reassessments
Interdisciplinary Team (IDT)
Comprehensive Program Plan (CPP)
Specialized Care - Administration of Psychopharmacologic Drugs
Discharge Planning
Reimbursement for Program Costs in Nursing Facilities Providing Psychiatric Rehabilitation Services for Individuals with Mental Illness

147.350

Reimbursement for Admission and Discharge Services Associated with Providing Specialized Services for Individuals with Developmental Disabilities in Nursing Facilities
Staff Time and Allocation by Need Level
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147.TABLE F Social Services
 147.TABLE G Therapy Services (Repealed)
 147.TABLE H Determinations
 147.TABLE I Activities
 147.TABLE J Signatures
 147.TABLE K Rehabilitation Services
 147.TABLE L Personal Information

AUTHORITY: Implementing Article III of the Illinois Health Finance Reform Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 6503-1 et seq.) and implementing and authorized by Articles III, IV, V, VI, VII and Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1991, ch. 23, pars. 3-1 et seq., 4-1 et seq., 5-1 et seq., 6-1 et seq., 7-1 et seq., and 12-13) [305 ILCS 5/3-1 et seq., 5/4-1 et seq., 5/5-1 et seq., 5/6-1 et seq., 5/7-1 et seq., and 5/12-13]

SOURCE: Recodified from 89 Ill. Adm. Code 140.900 thru 140.912 and 140.Table H and 140.Table I at 12 Ill. Reg. 6956; amended at 13 Ill. Reg. 559, effective January 1, 1989; amended at 13 Ill. Reg. 7043, effective April 24, 1989; emergency amendment at 13 Ill. Reg. 10999, effective July 1, 1989, for a maximum of 150 days; emergency expired November 28, 1989; amended at 13 Ill. Reg. 16796, effective October 13, 1989; amended at 14 Ill. Reg. 210, effective December 21, 1989; emergency amendment at 14 Ill. Reg. 6915, effective April 19, 1990, for a maximum of 150 days; emergency amendment at 14 Ill. Reg. 9523, effective June 4, 1990, for a maximum of 150 days; emergency expired November 1, 1990; emergency amendment at 14 Ill. Reg. 14203, effective August 16, 1990, for a maximum of 150 days; emergency expired January 13, 1991; emergency amendment at 14 Ill. Reg. 15578, effective September 11, 1990, for a maximum of 150 days; emergency expired February 8, 1991; amended at 14 Ill. Reg. 16669, effective September 27, 1990; amended at 15 Ill. Reg. 2715, effective January 30, 1991; amended at 15 Ill. Reg. 3058, effective February 5, 1991; amended at 15 Ill. Reg. 6238, effective April 18, 1991; amended at 15 Ill. Reg. 7162, effective April 30, 1991; amended at 15 Ill. Reg. 9001, effective June 17, 1991; amended at 15 Ill. Reg. 13390, effective August 28, 1991; emergency amendment at 15 Ill. Reg. 16435, effective October 22, 1991, for a maximum of 150 days; amended at 16 Ill. Reg. 4035, effective March 4, 1992; amended at 16 Ill. Reg. 6479, effective March 20, 1992; emergency amendment at 16 Ill. Reg. 13361, effective August 14, 1992, for a maximum of 150 days; amended at 16 Ill. Reg. 14233, effective August 31, 1992; amended at 16 Ill. Reg. 17332, effective November 6, 1992; amended at 17 Ill. Reg. 1128, effective January 12, 1993; amended at 17 Ill. Reg. _____, effective _____.

NOTE: CAPITALIZATION DENOTES STATUTORY LANGUAGE.

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Section 147.25 Functional Needs and Restorative Care

A Resident Assessment Instrument is used to assess the variable needs of public assistance residents for determination of statewide nursing rates and facility reimbursement levels. The Resident Assessment guidelines as described in this Section identify the functional needs of the resident and the programs developed to improve their functional abilities.

a) Category 1 - Bathing/Grooming

- 1) Base Rate Services
 - A) General reminders of when to take a bath;
 - B) Assistance with combing/brushing hair or assistance with washing back; and
 - C) One-to-one verbal instruction.
- 2) Functional
 - A) Resident needs and receives hands-on assistance due to functional deficit(s) (as determined by physical or psychological causes). Resident is helped with bathing some part of her/his body. This includes oral hygiene, washing hair and shaving.
 - B) Totally dependent. Resident requires and receives total assistance due to a functional deficit(s) (as determined by physical or psychological causes) from staff with bathing. Resident is bathed by a staff person whether the bath is given in the tub, shower, or bed.

3) Restorative

Staff has developed and is implementing a specific program to assist resident to improve functional abilities in bathing and grooming due to a functional deficit(s) (as determined by physical or psychological causes).

4) Maintenance

Restorative care and program continue to be implemented, and is at a maintenance level after initial improvement. Restorative care and program intervention have been modified and continue to be implemented to maintain the resident's improved condition. When scoring this Level 2 Maintenance, the ADL component must be scored zero.

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Section 147.25(a) (continued)

- 5) An assessment shall be completed identifying the resident's current level of functioning in bathing and grooming. The assessment shall state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability, or has lost functional ability.

b) Category 2 - Clothing

1) Base Rate Services

- A) Assistance in choosing appropriate clothing; and

- B) Verbal reminders to dress.

2) Functional

- A) Resident needs and receives hands-on assistance due to a functional deficit(s) (as determined by physical or psychological causes). Resident requires and receives help with getting dressed. This involves the actual assisting with putting on clothes.

- B) Totally dependent. Resident requires and receives total assistance due to a functional deficit(s) (as determined by physical or psychological causes) from staff with dressing. Resident is dressed by a staff person and does not participate in dressing of self. This includes bedfast residents being dressed in gown, pajamas, etc.

3) Restorative

Staff has developed and is implementing a specific program to assist resident to improve functional abilities in dressing due to a functional deficit(s) (as determined by physical or psychological causes).

4) Maintenance

Restorative care and program continue to be implemented, and is at a maintenance level after initial improvement. Restorative care and intervention have been modified and continue to be implemented to maintain the resident's improved condition. When

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Section 147.25(b)(4) (continued)

scoring this Level 2 Maintenance, the ADL component must be scored zero.

- 5) An assessment shall be completed identifying the resident's current level of functioning in dressing. The assessment shall state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability, or has lost functional ability.

c) Category 3 - Eating

1) Base Rate Services

- A) Routine tray preparation:

- i) opening milk cartons
- ii) cutting food
- iii) pouring coffee/beverages
- iv) buttering bread

- B) Verbal reminders to eat (encouragement)

2) Functional

- A) Resident needs and receives hands-on staff assistance to eat some part of the meal due to a functional deficit(s) (as determined by physical or psychological causes).

- B) Totally dependent. Resident requires and receives total assistance from staff with eating due to a functional deficit(s) (as determined by physical or psychological causes).

- C) Tube Feeding. Resident requires and receives tube feeding. Resident is fed through nasogastric tube or gastrostomy tube regardless of other oral food intake.

1) Restorative

Staff has developed and is implementing a specific program to assist resident to improve functional abilities in eating due to

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Section 147.25(c)(3) (continued)

a functional deficit(s) (as determined by physical or psychological causes).

4) Maintenance

Restorative care and program continues to be implemented, and is at a maintenance level after initial improvement. Restorative care and intervention have been modified and continue to be implemented to maintain the resident's improved condition. When scoring this Level 2 Maintenance, the ADL component must be scored zero.

- 5) An assessment shall be completed identifying the resident's current level of functioning in eating. The assessment shall state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability, or has lost functional ability.

d) Category 4 - Mobility

1) Base Rate Services

- A) Repositioning for comfort;

- B) Supervision of ambulatory residents;

- C) Redirection of lost and/or wandering residents;

- D) Reminders to use handrails;

- E) Reminders to use assistive devices correctly;

- F) Residents who are totally bedfast; and

- G) Assistance in and out of bathtub or shower.

2) Functional

- A) Resident needs and receives hands-on assistance with standing, transfer or movement about the facility due to a functional deficit(s) (as determined by physical or psychological causes). Resident can ambulate or move about facility per self once transfer is completed. Or, resident

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Section 147.25(d)(2)(A) (continued)

can transfer independently, but staff must assist resident with movement about the facility.

- B) Resident requires and receives hands-on assistance to transfer from bed to chair or wheelchair and requires and receives assistance with movement about the facility due to a functional deficit(s) (as determined by physical or psychological causes).

3) Restorative

Staff has developed and is implementing a specific program to assist resident to improve functional abilities in transferring, ambulation, wheelchair mobility, and/or bed mobility due to a functional deficit(s) (as determined by physical or psychological causes).

4) Maintenance

Restorative care and program continues to be implemented, and is at a maintenance level after initial improvement. Restorative care and intervention have been modified and continue to be implemented to maintain the resident's improved condition. When scoring this Level 2 Maintenance, the ADL component must be scored zero.

- 5) An assessment shall be completed identifying the resident's current level of functioning in bed mobility, transfer and locomotion. The assessment shall state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability, or has lost functional ability.

e) Category 5 - Continence

1) Base Rate Services

Stand-by assistance provided, including assisting with clothing, verbal cues, etc.

2) Functional

- A) Resident is incontinent of bladder and/or bowel (includes dribbling).

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Section 147.25(e)(2) (continued)

- B) Resident is assisted to toilet as frequently as indicated by resident need.

3) Restorative Care

Staff has assessed, planned, implemented and monitored, according to individual need, a specific formalized program to assist resident to improve abilities in continence.

4) Maintenance

Restorative care and formalized program continues to be implemented and is at a maintenance level after initial improvement. Restorative care and intervention have been modified and continue to be implemented to maintain the resident's improved condition. When scoring this Level 2 Maintenance, the ADL component must be scored zero.

- 5) An assessment shall be completed identifying the resident's current level of functioning in continence. The assessment shall state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability or has lost functional ability.

- 6) Prior to a resident being given credit for restorative care in any program, the following must be met:

- A) An assessment completed by a registered nurse, identifying the resident's current level of functioning, the cause or contributing factors of current incontinence, and a plan developed to increase this level of functioning by the interdisciplinary team.
- B) A reassessment is conducted as indicated in the initial plan. An assessment must be conducted at least every 90 days but can be conducted as frequently as needed based on outcome and response.
- C) Staff carries out the restorative care programs as indicated by the plan and records resident's response to the restorative care programs in the clinical record at least monthly.

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Section 147.25(e)(6) (continued)

- D) The program is reviewed at the time of the care plan meeting by the interdisciplinary team; if resident fails to increase his/her functional ability, after initial improvement, credit will still be given as long as restorative care continues to be provided. ~~The care plan review is required by 42-CFR-483.20-(1990).~~

f) Category 6 - Psychosocial/Mental Status

1) Base Rate Services

- A) Occasional behavior intervention for that which the resident has not been assessed or for which no program has been implemented;
- B) Additional reminders for bathing, clothing, grooming and taking medicine;
- C) Explanations and assurances;
- D) Intervention/interaction with family; and
- E) Reminders to attend activities.

2) Functional

Staff has developed and is implementing a specific intervention program that addresses psychosocial needs. This program is monitored by a Qualified Health Professional "QHP" as evidenced by signing off on assessment and response notes, with written recommendations as appropriate in the clinical record. This program must be in the care plan and the resident's response to staff's intervention must be recorded in the clinical record at least monthly. Interventions may occur in 1:1 scheduled counseling sessions, group sessions no larger than eight, or strictly incident intervention. Incident intervention only programs are limited to residents with severe behavior problems which preclude participation in a more structured setting. Incident intervention only must consist of a plan with staff using ongoing specifically identified interventions for identified behavior occurrences. The plan may consist of any combination of the above-mentioned techniques. Interventions must take place at least three times a week.

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Section 147.25 (continued)

g) Category 7 - Communication

1) Functional Description

Resident has been assessed, needs and receives special assistance or care as a result of altered sensory reception or transmission including visual, auditory, or speech.

2) Type Code: Frequency Codes

- A) Interventions are developed and implemented to address one communication deficit.
- B) Interventions are developed and implemented to address two communication deficits.
- C) Interventions are developed and implemented to address three communication deficits.

3) Speech Therapy

A) General Criteria

There must be a reasonable likelihood that the treatment will improve the resident's functional means of communication. While there is no specific time limit on the duration of these services, improvement of the resident's condition must be evident in the therapist's documentation.

B) Specific Criteria

Resident requires and facility provides a Speech-Language Pathology and Audiology (SLP/A) Rehabilitative Program as ordered by a physician, planned and designed specifically for the resident by a certified speech-language pathologist/audiologist or Clinical Fellow (CFY) and including measurable goals. This program is carried out on a regularly scheduled basis by a certified speech-language pathologist/audiologist or Clinical Fellow (CFY). Progress notes are to be recorded as to the improvement of the resident's condition. This service must be reevaluated monthly by the certified speech-language pathologist/audiologist.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 147.50 Service Needs

This Section describes the Department's method of reimbursement for nursing costs for service needs through the use of the Resident Assessment Instrument. It further describes therapy services that may be needed by residents that are reimbursable through a separate post-payment audit system.

a) Category 1 - Appliances

1) Type Code: Frequency codes

One or more appliances.

2) Appliances.

Appliances, restricted to the following devices, that the facility staff assist the resident with applying, and/or maintenance/care of the appliance as indicated per physician's or dentist's orders and/or resident plan of care.

- A) Hearing device (one or two)
- B) Elastic joint supports
- C) Ted or jobst hose (one or two)
- D) A neck brace
- E) A back brace
- F) Artificial limbs
- G) Trusses (male and female)
- H) Prescribed ACE bandages
- I) Cervical collars
- J) Leg braces
- K) Arm braces
- L) Head braces
- M) Splints
- N) Slings

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Section 147.50(a)(2) (continued)

- O) Contact lens
- P) Artificial eye
- Q) Protective helmet
- R) Cylinder braces
- S) Eyeglasses
- T) Dentures
- U) Electrolarynx
- V) Augmentative communication devices
- W) TENS Unit
- X) Wheelchair cuffs
- Y) ADL adaptive equipment
- Z) Abductor bar/pillow
- AA) Self-release safety devices
- b) Category 2 - Catheterization
- Type code: Intensity codes
- Indwelling, Texas, supra pubic catheter, intermittent catheterization, including care and irrigation.
- c) Category 3 - Pressure Ulcer Treatment
- Type code: Intensity codes
- 1) Resident has been admitted with a stage I or II pressure ulcer.
- 2) Resident has been admitted with a stage III or IV pressure ulcer.
- 3) Resident has a Stage I or II pressure ulcer that developed while in the facility.
- 4) Resident has a Stage III or IV pressure ulcer that developed while in the facility.

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Section 147.50 (continued)

- d) Category 4 - Pressure Ulcer Prevention
- Type code: Intensity codes
- 1) Resident has been assessed, using an assessment instrument, to determine risk for developing pressure ulcers and has scored in the moderate risk category. A comprehensive preventative program as specified in the care plan is implemented and must address, but is not limited to, positioning schedules, range of motion program, nutritional support, and skin measures (i.e., whirlpool, etc.) as determined by facility policy.
- 2) Resident has been assessed, using an assessment instrument, to determine risk for developing pressure ulcers and has scored in the high risk category. A comprehensive preventative program as specified in the resident care plan is implemented and must address, but is not limited to, special mattresses or wheelchair cushions to reduce pressure, a positioning schedule, range of motion program, nutritional support and daily skin checks, and skin care measures (i.e., whirlpool, etc.) as dictated by a facility policy for high risk residents.
- e) Category 5 - Wound Care
- Type code: Intensity codes
- 1) Dressings and/or skin treatments for noninfected areas.
- 2) Complex dressings (such as sterile dressings or post-op) and/or treatment to lesions that are infected.
- f) Category 6 - Injections
- Type code: Frequency codes
- 1) Requires and receives injections less than daily but at least once a month, on a regular basis as per physician order.
- 2) Requires and receives one or more injections daily.
- g) Category 7 - Intravenous Therapy: I.V.'s and Clysis
- Type code: Frequency codes
- 1) Required and received I.V. or clysis for at least 48 hours (intermittent or continuous) during the past six months.

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Section 147.50(g) (continued)

- 2) Required and received I.V. or clysis seven or more days in past six months.

h) Category 8 - Laboratory-Specimen Service

Type code: Frequency codes

Resident required and facility staff collected one or more of the following: a specimen including blood specimen, urine specimen either by midstream "cleancatch" or by catheter, sputum specimen, stool specimen, swabs of throat, lesions, diabetic urine test, telephonic pacemaker check or electrocardiogram or oximeter or glucometer readings or checking and monitoring of shunts. Specimens collected by an outside lab are not included.

- 1) One time in the last six months.
- 2) Once a week.
- 3) Daily.

i) Category 9 - Medications/Medication Monitoring

1) Base Rate Services

- A) Routine med passes;
- B) Routine observation for medication side effects;
- C) Encouraging residents to take medications;
- D) PRN medication;
- E) Special monitoring done by licensed or unlicensed personnel with licensed supervision, including vital signs, lab work and clintests that result in few, if any, changes in dosage or medication or amount of assessment necessary.

2) Type code: Intensity codes

Resident needs and receives medication four times a day or more during off-hours or by multiple routes, and requires routine monitoring to check for untoward reaction or side effects. Also included is a resident who needs and receives medication that requires special monitoring by licensed personnel with need for

Section 147.50(i)(2) (continued)

assessing and reporting to physician if necessary, changes in resident status, lab work, side effects, or apparent drug interactions. This can result in an adjustment of dosage or medication, or in continuing assessment of an unstable condition.

3) Medication Programs

- A) Resident is on a supervised program to increase or maintain an acquired level of independent self-administration of medication. The resident's cognitive, physical and visual ability to carry out this responsibility has been assessed by the interdisciplinary team. Nursing staff is responsible for drug storage and for recording self-administration in the resident's medication administration record; or
- B) Resident is involved in a program to discontinue or reduce psychotropic medication to the lowest possible dose necessary to control symptoms.

j) Category 10 - Occupational Therapy and Related Rehabilitation Services

1) Type code: Intensity Code

- A) The occupational rehabilitation program shall be ordered by a physician. It shall be planned and designed specifically for the resident by an occupational therapist registered/licensed (OTR/L) (68 Ill. Adm. Code 1315). The occupational rehabilitation services program shall be administered by a rehabilitation aide or ~~certified occupational therapist assistant~~ ~~licensed~~ ~~(COTA/L)~~ under the supervision of the OTR/L. There shall be a monthly review of progress documented by the OTR/L, or if written by the COTA/L rehabilitation aide, co-signed by the OTR/L.

2) B)

There must be a reasonable likelihood that the rehabilitation services will improve the resident's functional ability. While there is no specific time limit on the duration of these services, benefit to the resident's functional ability must be evident in the therapist's documentation. This service must be reviewed at the time of the care plan meeting review by the interdisciplinary team.

2) Occupational Therapy

Section 147.50(j)(2) (continued)

- A) The occupational therapy program shall be ordered by a physician. It shall be designed and planned specifically for the resident by the OTR/L. The direct occupational therapy services shall be administered by a certified occupational therapy assistant/licensed (COTA/L) under the supervision of the OTR/L. There shall be a review of the progress documented either by the OTR/L or COTA/L monthly. The OTR/L must cosign the COTA/L's documentation monthly.
- B) The occupational therapy shall be ordered by a physician. It shall be planned and designed specifically for the resident by an OTR/L. This plan must include measurable goals. The program shall be carried out on a regularly scheduled basis by an individual with qualifications of an OTR/L. There must be a review of progress towards goals documented by the OTR/L every month.
- C) There must be a reasonable likelihood that the occupational therapy will improve the resident's functional ability. While there is no specific time limit on the duration of these services, benefit to the resident's functional ability must be evident in the therapist's documentation. This service must be reviewed at the time of the care plan review by the interdisciplinary team.

k) Category 11 - Physical Therapy and Related Rehabilitation Services

- 1) Type code: Intensity Code
- A) The physical rehabilitation program shall be ordered by a physician. It shall be designed and planned specifically for the resident by the physical therapist (PT). The physical rehabilitation services shall be administered by a physical therapy assistant-(PTA)-or-a rehabilitation aide under the supervision of the PT. There shall be a monthly review of the progress documented by the PT or if written by the PTA rehabilitation aide, co-signed by the PT.
- 2) B) There must be a reasonable likelihood that the rehabilitation services will improve the resident's functional ability. While there is no specific time limit on the duration of these services, benefit to the resident's functional ability must be evident in the therapist's documentation. This service must be reviewed

Section 147.50(k)(1)(B) (continued)

at the time of the care plan meeting review by the interdisciplinary team.

2) Physical Therapy

- A) The physical therapy program shall be ordered by a physician. It shall be designed and planned specifically for the resident by the PT. The direct physical therapy services shall be administered by a physical therapist assistant (PTA) under the supervision of the PT. There shall be a review of the progress documented either by the PT or the PTA monthly. The PT must cosign the PTA's documentation monthly.
- B) Physical therapy shall be planned and designed specifically for the resident by a PT. This plan must include measurable goals. The program shall be carried out on a regularly scheduled basis by an individual with qualifications of a PT. There must be a review of progress toward goals documented by the PT monthly.
- C) There must be a reasonable likelihood that the physical therapy will improve the resident's functional ability. While there is no specific time limit on the duration of these services, benefit to the resident's functional ability must be evident in the therapist's documentation. This service must be reviewed at the time of the care plan review by the interdisciplinary team.
- 1) Category 12 - Passive Range of Motion (PROM)
- Type code: Frequency Code
- Resident requires and receives PROM exercises to at least one extremity at least two times per day.
- m) Category 13 - Ostomy Care
- Type code: Intensity code
- Includes gastrostomy, ileostomy, jejunostomy and colostomy.
- 1) Uncomplicated care of ostomy (gastrostomy included). Includes routine care and maintenance of the ostomy, i.e., cleansing and appliance change.

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Section 147.50(m) (continued)

- 2) Complex ostomy. Includes post/op operative, ostomies, care of Percutaneous Endoscopic Gastrostomy (PEG) tubes, or an ostomy that, given the patient's overall condition, requires licensed care. All ostomies that have become excoriated or require a prescription medication application are included.

n) Category 14 - Respiratory Therapy

1) Type code: Intensity codes

- A) Uncomplicated provision of these therapies. Resident is capable of administering his/her own respiratory therapy (oxygen and humidity) with minimum assistance from licensed personnel and routine monitoring by staff.
- B) Complex due to the nature of the resident's condition, type procedure or multiplicity of procedures required. Positive pressure breathing therapy, aerosol therapy, etc. and complicated problems with oxygen-humidity is required by resident. Resident is totally dependent upon administration by licensed staff.

- 2) Respiratory therapy includes oxygen, positive pressure breathing therapy, humidity therapy, or aerosol therapy, postural drainage, percussion or vibration. Room humidifiers are not included.

o) Category 15 - Suctioning

Type code: Frequency codes

- 1) Daily.
- 2) Twice or more daily.

p) Category 16 - Tracheostomy Care

1) Type code: Intensity codes.

- A) Requires routine cleansing of tracheostomy site and non-sterile dressing change. Tracheostomy care managed by staff (see Category 15 - Suctioning).
- B) Requires and receives complex care to tracheostomy site more than one time daily which includes the changing of

Section 147.50(p)(1)(B) (continued)

sterile or complex dressings, suctioning or changing of the tracheostomy tube, and/or monitoring of unstable respiratory status (see Category 15 - Suctioning).

- 2) Includes care of tracheostomy site.

q) Category 17 - Discharge Planning

Type code: Intensity codes

A specific discharge plan has been developed by an interdisciplinary team and reflected in the resident care plan. Includes only residents with discharge anticipated within the next three (3) months to a less restrictive environment. This plan shall include family and other state agency programs where appropriate (i.e., Department on Aging and Department of Rehabilitation Services). Discharge of the resident need not be accomplished provided the plan has been implemented and the services were within the past six months.

r) Category 18 - Health and Fitness Programs

Type code: Intensity Codes.

A health and fitness program has been specifically planned for the resident by a licensed nurse. The fitness program is written on the resident's fitness card. Following the resident's attendance, participation in the specific routine(s) must be recorded on the resident's fitness card. The program is carried out at least three times per week. The resident's response to the program must be documented in the clinical record one time per month. Fitness routines should vary based on the resident's physical condition, fitness preferences and plan of care. Programs may be self-monitored. Programs may consist of, but are not limited to walking/fitness trails, flexibility exercises, endurance maintenance, wheel chair pushups, swimming, biking, basketball, baseball, and/or volleyball.

s) Category 19 - Restraint Management and Reduction

Base Rate Services

The resident does not have an assessed need to be physically restrained because of a continuing health, functional or psychosocial condition. A physical restraint may be used temporarily to provide necessary life saving treatment, if there are medical symptoms which

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are life threatening. A physical restraint may be used for brief periods to allow medical treatment to proceed if there is documented evidence of the resident's or legal representative's approval of the temporary physical restraint. If a temporary physical restraint is needed because of medical symptoms which are life threatening, documented attempts at less restrictive measures prior to application of the physical restraint are not required.

Type Code: Intensity Codes

The resident has been assessed by licensed staff and, for clearly documented reasons which are not life threatening, has been determined to be in need of a physical restraint, the resident, family (if appropriate), guardian or legal representative has consented to the use of the physical restraint. The staff has attempted less restrictive measures and documented the results.

Consultation has taken place with appropriate health professionals, such as physician, occupational therapist, physical therapist or rehab certified registered nurse, in the use of less restrictive supportive devices or methods. Where appropriate, the less restrictive measures have been successfully maintained without the use of physical restraints. Where less restrictive measures have not been successful and physical restraints have been applied, the care plan documents the duration, type and circumstances under which the restraint can be used. The restraints are properly applied and the resident is released from the restraint, exercised or ambulated, and repositioned for at least 10 minutes at least every 2 hours, the interdisciplinary team reviewed the continuing need for restraints and that reduction in duration or less restrictive measures have been discussed. As the interdisciplinary team determines, an individualized restraint reduction program is developed and implemented.

t) Category - Social Services

1) Type Code: Intensity Codes

Resident and/or family and/or guardian counseled on residents' rights at admission and reviewed individually with residents and/or family and/or guardian at least annually. Staff orient resident and/or family and/or guardian to facility programs, Medicare/Medicaid programs (including prevention of spousal impoverishment), advance directives, available medical services, community support services, and the resident's personal allowances initially and annually thereafter, and gives

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assistance to resident in applying for any needed services. Facility ascertains and arranges to secure or provide resident's choice of pastoral care. Resident and/or family and/or guardian are encouraged to participate in care plan conferences. Facility acquaints resident with resident council purpose/functions and encourages participation.

- 2) To qualify for Level 2, all Level 1 requirements must be in place as well as the following: Resident has participated in a monthly standard social service interview soliciting resident opinions and preferences about defined aspects of the quality of life in the facility. If resident is unable to participate in this interview, a family or guardian interview, in person or by phone, may be done on a monthly basis.

u) Category---Therapy-Services

The following therapy services are not to be scored on the DPA-2700. These services are, however, reimbursed on the DPA-1443, Provider Invoice.

1) Speech-Language-Pathology-and-Audiology-(SLP/A)-Rehabilitative Services

A) General-Criteria

There must be a reasonable likelihood that the treatment will improve the resident's functional means of communication. While there is no specific time limit on the duration of these services, improvement of the resident's condition must be evident in the therapist's documentation.

B) Specific-Criteria

Resident requires and facility provides a Speech-Language Pathology and Audiology (SLP/A) Rehabilitative Program as ordered by a physician, planned and designed specifically for the resident by a certified speech language pathologist/audiologist or Clinical Fellow (CF) and including measurable goals. This program is carried out on a regularly scheduled basis by a certified speech language pathologist/audiologist or Clinical Fellow (CF). Progress notes are to be recorded as to the improvement of

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Section 147.50(u)(1)(B) (continued)

the resident's condition. This service must be reevaluated monthly by the certified speech-language pathologist, audiologist.

2) Physical Therapy and Related Rehabilitative Services

A) General Criteria

There must be a reasonable likelihood that the physical therapy and/or the physical rehabilitation services will improve the resident's functional ability. While there is no specific time limit on the duration of these services, benefit to the resident's functional ability must be evident in the therapist's documentation. This service must be reviewed at the time of the care plan review by the interdisciplinary team. The care plan review is required by 42 CFR 483.20 (1990). The interdisciplinary team is defined in 77 Illinois Administrative Code, Section 300.330.

B) Specific Criteria

i) Physical Therapy-I

Physical therapy shall be planned and designed specifically for the resident by a physical therapist (PT). This plan must include measurable goals. The program shall be carried out on a regularly scheduled basis by an individual with qualifications of a physical therapist. There must be a review of progress toward goals documented by the PT monthly.

ii) Physical Therapy-II

The physical therapy program shall be ordered by a physician. It shall be designed and planned specifically for the resident by the PT. The direct physical therapy services shall be administered by a physical therapist assistant (PTA) under the supervision of the PT. There shall be a review of the progress documented either by the PT or the PTA monthly. The PT must assign the PTA's documentation monthly.

iii) Physical Therapy Assessment

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Section 147.50(u)(2)(B)(iii) (continued)

Resident has been evaluated, assessed or reassessed by a physical therapist and a specific restorative program developed to increase the resident's functional level. This program is then implemented by the nursing department. This is not scored if the resident is also in any rehabilitation program.

3) Occupational Therapy and Related Rehabilitative Services

A) General Criteria

There must be a reasonable likelihood that the occupational therapy and/or the occupational rehabilitation services will improve the resident's functional ability. While there is no specific time limit on the duration of these services, benefit to the resident's functional ability must be evident in the therapist's documentation. This service must be reviewed at the time of the care plan review by the interdisciplinary team. The care plan review is required by 42 CFR 483.20 (1990). The interdisciplinary team is defined in 77 Illinois Administrative Code, Section 300.330.

B) Specific Criteria

i) Occupational Therapy-I

The occupational therapy shall be ordered by a physician. It shall be planned and designed specifically for the resident by an occupational therapist registered/licensed (OTR/L). This plan must include measurable goals. The program shall be carried out on a regularly scheduled basis by an individual with qualifications of an occupational therapist registered/licensed (OTR/L). There must be a review of progress towards goals documented by the OTR/L every month.

ii) Occupational Therapy-II

The occupational therapy program shall be ordered by a physician. It shall be designed and planned specifically for the resident by the OTR/L. The direct occupational therapy services shall be administered by a certified occupational therapy

Section 147.50(u)(3)(B)(ii) (continued)

assistant/licensed (COTA/L) under the supervision of the CTR/L. There shall be a review of the progress documented either by the CTR/L or COTA/L monthly. The CTR/L must assign the COTA/L's documentation monthly.

iii) Occupational Therapy Assessment

Resident has been evaluated, assessed or reassessed by an occupational therapist/registered/licensed (CTR/L) and a specific restorative program developed to increase resident's functional level. This program is then implemented by the nursing department. This is not scored if resident is also in any rehabilitation program.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 147.150 Statewide Rates

a) This Section will become effective July 1, 1991 unless otherwise indicated.

b) Per diem reimbursement rates for nursing care in intermediate and skilled care facilities consist of six elements: variable time reimbursement, training time reimbursement, fixed time reimbursement, fringe benefit reimbursement, and reimbursement for allowable costs of supplies, consultants, medical and nursing directors, and therapies.

1) Variable Time Reimbursement. Variable nursing time is that time necessary to meet the major service needs of residents which vary due to their physical or mental condition. Each need level or specific nursing service measured by the Resident Assessment Instrument is associated with an amount of time and staff level (Sections 147, Table A and 147, Table B). Reimbursement is developed by multiplying the time for each service by the wage(s) of the type of staff performing the service except for occupational therapy, physical therapy, and speech therapy. If more than one level of staff are involved in delivering a service, reimbursement for that service will be weighted by the wage and number of minutes allocated to each staff type. When a service can be provided by either an RN or an LPN, the wage used will be weighted by the average mix of RNs and LPNs in the sample of facilities used to set rates.

Section 147.150(b)(1) (continued)

A) Determination of wages. In calculating the rate, the figures used by the Department for "wages" will be determined in the following manner:

- i) The mean wages for the applicable staff levels (RN's, LPN's, Nurse Aides) as reported on the cost reports and determined by geographical location will be the base.
- ii) Fringe benefits will be equal to 21%.
- iii) The fringe benefits will be added to the base.
- iv) This new total will then be updated for inflation from the time period for which the wage data are available to the midpoint of the rate year to recognize projected wage changes.
- v) Special minimum wage factor. For the period beginning July 1, 1990, the Department will modify the process used in subsection (b)(1)(A)(i) to determine regional mean wages for Registered Nurses (RN), Licensed Practical Nurses (LPN) and nurse aides to include a minimum wage factor. For those homes below 90% of the statewide average the wage is replaced by 90% of the statewide average. Effective July 1, 1991, through June 30, 1992, a final wage multiplier of 4.1% will be applied to wages. Beginning July 1, 1992, a final wage multiplier of 6.2% will be applied to wages.

B) Determination of Times and Staff Levels. The times and staff levels have been assigned by a panel of administrators and nurses active in long term care. Prior time/motion studies were used to assist the panel. These times will be reviewed periodically to insure that they accurately reflect nursing practice in the State.

2) Training Time Reimbursement

Training Time Reimbursement is determined by assessed need for training, the time allotted for training and the wage rates for licensed and nurse aide staff during the rate year.

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Section 147.150(b) (continued)

- 3) Fixed Time Reimbursement. Fixed or indirect nursing time is that time which does not vary with resident condition or which cannot be measured by an assessment tool. It includes such items as staff meetings, supervision, "downtime", checking physicians' orders and time spent with residents which does not vary with condition. A statewide sample of residents will be used to determine "fixed" time. The mean variable time will be computed for the sample for each level of care, and this amount subtracted from Department of Public Health Minimum Staffing Ratios plus 5% for each level of care. (Department of Public Health Minimum Staffing Ratios, which are measured in terms of time, can be found in 77 Ill. Adm. Code 300.1230). Once the "fixed" time has been determined, the minutes will be weighted at 20% licensed and 80% unlicensed time and multiplied by the appropriate wage. This amount will be added to variable time for each resident in the sample. If fixed time is less than zero minutes, then it will equal zero.
- 4) Vacation, Sick Leave and Holiday Time. The time to be added for vacation, sick leave and holidays will be determined by multiplying the sum of Variable and Fixed Time by 5%. This time will then be weighted by 80% unlicensed and 20% licensed wages to determine the amount to be added to the rate for these benefits.

5) Special Supplies, Consultants and the Director of Nursing.

- Finally, amounts will be added for health care and program supplies, consultants required by Department of Public Health (including the Medical Director), and the Director of Nursing. (A list of consultants required by the Department of Public Health can be found in 77 Ill. Adm. Code 300.830).
- A) Supplies will be updated for inflation using the General Services Inflation (see 89 Ill. Adm. Code 140.551). A standard amount by level of care will be allocated for supplies. This amount will be determined based on the ratio of median updated supply costs by region to median costs for variable and fixed time by level of care (SNF/ICF) by region.
- B) The same analysis will be used to determine an amount for Consultants (including Medical Director) and the Director of Nursing. However, these costs will be updated with the wage inflation rate.

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Section 147.150(b) (continued)

- 6) Therapies. Reimbursement for physical therapy, occupational therapy, and speech therapy will not be based upon individual resident need assessments, but upon the total therapy program days the facility provided to Medicaid residents over the six-month period prior to and including the resident assessment date. These therapy days, by therapy type and level (see Table H), will be associated with staff time per day as shown in Table H, and staff wages to produce a per diem rate for each of the three therapy types.
- A) Effective January 1, 1993 the Department will begin incorporating speech, occupational and physical therapy services and restorative program nursing assessments into the Inspection of Care (IOC) survey.
- B) In order to transition reimbursement for these services to the IOC, facilities currently providing these services will receive an add-on to the nursing component of its per diem. The add-on amount will be calculated by the Department and will be based on historical data from paid claims and adjustments. The add-on amount will begin with January 1993 services and will continue until the facility receives a new rate as a result of an IOC survey conducted in calendar year 1993.
- c) Determination of Facility Rates.
- 1) The rate each facility receives will be determined by the assessed needs of residents the facility serves. Effective January 1, 1990, nurses from Department of Public Aid (DPA) will conduct an assessment of 100% of the Medicaid residents by level of care in each home annually. The assessment will be conducted during the four month period prior to the annual nursing IOC rate adjustment date. The needs of the residents in the sample will be assessed with the Resident Assessment Instrument. An amount for each resident will be calculated by multiplying the number of minutes from the assessment by the appropriate wage/wages for each assessment item (see (a) subsection (b)(1) above), adding the appropriate amount for fixed time (see (b) subsection (b)(3) above) and amounts for vacation, sick and holiday time (see (e) subsection (b)(4) above), and supplies, consultants, and the Director of Nursing, (see (d) subsection (b)(5) above). The average of the rates for residents assessed will become the facility's per diem reimbursement rate for each Medicaid patient in the facility effective on the facility's annual nursing IOC rate adjustment date.

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Section 147.150(c) (continued)

- 2) A copy of the Resident Assessment will be left with the facility upon completion.
- d) Adjustment in Instrument. Residents assessed as being in need of a service but is not receiving the required service will be scored solely as need not met.
- e) An interim IOC may be requested by a facility by notifying, in writing, the Bureau of Long Term Quality Care Bureau Chief within 180 days of the exit date of the last IOC. The following criteria shall be met before a request for an interim IOC can be made. A 25% or greater turnover in Medicaid residents since the last IOC or there has been a 7% or greater increase in the average per patient care time. The request for the interim IOC shall contain a full explanation of why the facility meets the criteria and must include any documentation relevant to the request. The facility will be notified within 45 days from the date the request is received of whether an interim IOC will be conducted. If approved, the Bureau will conduct a full IOC within 60 days of the written approval decision. Upon reassessment, an amended 2700 will be forwarded to the DPA. Upon receipt of the amended 2700 the facility's rate will become effective for the final six months of that facility's rate year.
- f) If the interim IOC is scheduled to take place during the period when the next annual IOC is scheduled, only one IOC will be done. The rate that results will apply for the 18 month period which begins with the effective date of the interim IOC rate.

(Source: amended at 17 Ill. Reg. ____, effective ____)

Section 147.150(a) Staff Time and Allocation by Need Level

- a) The following reimbursement times, allocations, and need levels apply for all reimbursement periods commencing on January 1, 1988, through June 30, 1989.

Item	Level	Time	Allocation	Staff Type
Bathing-Grooming	0	6		Nurse Aide
	1	12		Nurse Aide
	2	24		Nurse Aide
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Item	Level	Time	Allocation	Staff Type
Injections	0	0		Licensed-Staff
	1	1		Licensed-Staff
	2	4-5		Licensed-Staff
Intravenous-Glysis	0	0		Licensed-Staff
	1	4		Licensed-Staff
	2	8		Licensed-Staff
Lab-Specimen	0	0		Nurse-Aide/Licensed-Staff
	1	1	5/5	Nurse-Aide/Licensed-Staff
	2	2	1/1	Nurse-Aide/Licensed-Staff
	3	10	5/5	Nurse-Aide/Licensed-Staff
Speech---Language Pathology-and Audiology	0	0		Therapist
	1	8		Therapist
Medication Monitoring	0	12		Licensed-Staff
	1	14		Licensed-Staff
	2	16		Licensed-Staff
	3	18		Licensed-Staff
Occupational-Therapy	0	0		Therapist
	1	14		COTA/Therapist
	2	14	12/1	Nurse-Aide/Therapist
	3	14	12/1	Therapist
	4	1		Therapist
Ortomy-Care	0	0		Licensed-Staff
	1	6		Licensed-Staff
	2	12		Licensed-Staff
Physical-Therapy	0	0		Therapist
	1	14		PTA/Therapist
	2	14	12/1	Nurse Aide/Therapist
	3	14	12/1	Therapist
	4	1		Therapist
Respiratory-Therapy	0	0		Nurse-Aide/Licensed-Staff
	1	17	15/2	Nurse-Aide/Licensed-Staff
	2	26	5/20	Nurse-Aide/Licensed-Staff

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Item	Level	Time	Allocation	Staff-Type
Tracheostomy-Care	0	0		
	1	6		Licensed-Staff
	2	13		Licensed-Staff
Suctioning	0	0		
	1	5		Licensed-Staff
Passive-Range-of-Motion	2	30		Licensed-Staff
	0	0		
Discharge-Planning	1	7		Nurse-Aide
	2	14		Nurse-Aide
Health-and-Fitness	0	0		Licensed-Staff
	1	10		
Activities	0	0		
	1	4	3/1	Nurse-Aide/Licensed-Staff
	2	5	3/2	Nurse-Aide/Licensed-Staff
Grooming	3	4	3/1	Nurse-Aide/Licensed-Staff
	0	10		Nurse-Aide
Agency-Notes	0	3		Nurse-Aide
	1	4		
b) The following reimbursement-times, allocations, and need-levels-apply for-all-reimbursement-periods-commencing-on-July-1-1989-through December-31-1990.	2	5		
	3	4		
	0	10		

Item	Level	Time	Allocation	Staff-Type
Bathing-Grooming	0	6		Nurse-Aide
	1	12		Nurse-Aide
	2	22		Nurse-Aide
Clothing	0	4		Nurse-Aide
	1	10		Nurse-Aide
	2	20		Nurse-Aide

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Section 147. TABLE A(b) (continued)

Item	Level	Time	Allocation	Staff-Type
Eating	0	6		Nurse-Aide
	1	15		Nurse-Aide
	2	39		Nurse-Aide
Mobility	3	39		Licensed-Staff
	0	5		Nurse-Aide
Continence	1	12		Nurse-Aide
	2	14		Nurse-Aide
Psycho-Social-Care	0	2		Nurse-Aide
	1	14		Nurse-Aide
Appliances	2	19.6		Nurse-Aide
	0	12		Nurse-Aide
Catheters	1	28	19.5/8.5	Nurse-Aide/Licensed-Staff
	0	0		Nurse-Aide/Licensed-Staff
Pressure-Ulcer-Care	1	7	6/1	Nurse-Aide/Licensed-Staff
	0	0		Nurse-Aide/Licensed-Staff
Wound-Care	1	12.1	6/6.1	Nurse-Aide/Licensed-Staff
	0	0		Licensed-Staff
Injections	1	8		Licensed-Staff
	2	20		Licensed-Staff
Intravenous-Clysis	3	0	0/0	Licensed-Staff
	4	0	0/0	Licensed-Staff
Pressure-Ulcer Prevention	0	0		Nurse-Aide/Licensed-Staff
	1	8	6/2	Nurse-Aide/Licensed-Staff
Wound-Care	2	14	12/2	Nurse-Aide/Licensed-Staff
	0	0		Licensed-Staff
Injections	1	6		Licensed-Staff
	2	18		Licensed-Staff
Intravenous-Clysis	0	0		Licensed-Staff
	1	1		Licensed-Staff
Intravenous-Clysis	2	4.5		Licensed-Staff
	0	0		Licensed-Staff
Intravenous-Clysis	1	4		Licensed-Staff
	2	8		Licensed-Staff

Kent Law School Library

NOTICE OF PROPOSED AMENDMENTS

Section 147. TABLE A(b) (continued)

Item	Level	Time	Allocation	Staff-Type
Lab Specimen	0	0		
	1	2	54.5	Nurse-Aide/Licensed-Staff
	2	3	141	Nurse-Aide/Licensed-Staff
Speech---Language Pathology and Audiology	3	10	545	Nurse-Aide/Licensed-Staff
	0	0		
Medication Monitoring	1	0		
	0	12.8		Therapist
Occupational-Therapy	1	16.1		Licensed-Staff
	0	0		Licensed-Staff
Osteomy-Care	0	14	1341	Nurse-Aide/Therapist
	0	0		
Physical-Therapy	1	6		Licensed-Staff
	2	12		Licensed-Staff
Respiratory-Therapy	0	0		
	1	14	1341	Nurse-Aide/Therapist
Tracheostomy-Care	0	0		
	1	17	1542	Nurse-Aide/Licensed-Staff
Suctioning	2	25	5420	Nurse-Aide/Licensed-Staff
	0	0		
Passive Range of Motion	1	6		Licensed Staff
	2	12		Licensed Staff
Discharge Planning	0	0		
	1	11.4		Licensed Staff
Health and-Fitness	0	0		
	1	10		Nurse Aide
	0	0		
	1	4	441	Licensed Staff
	0	0		
	1	4		Nurse Aide/Licensed Staff

NOTICE OF PROPOSED AMENDMENTS

Section 147. TABLE A(b) (continued)

Item	Level	Time	Allocation	Staff-Type
Activities	0	10		Nurse-Aide
Grooming	0	3		Nurse-Aide
e)a) The following reimbursement times, allocations, and need levels apply for all reimbursement periods commencing on January 1, 1991 through June 30, 1991.				
Bathing, Grooming	0	6		Nurse Aide
	1	12		Nurse Aide
	2	22		Nurse Aide
Clothing	0	4		Nurse Aide
	1	10		Nurse Aide
	2	20		Nurse Aide
Eating	0	6		Nurse Aide
	1	15		Nurse Aide
	2	39		Nurse Aide
	3	39		Licensed Staff
Mobility	0	5		Nurse Aide
	1	12		Nurse Aide
	2	14		Nurse Aide
Continence	0	2		Nurse Aide
	1	14		Nurse Aide
	2	19.6		Nurse Aide
Psycho-Social Care	0	12		Nurse Aide
	1	28	19.5/8.5	Nurse Aide/Licensed Staff
Appliances	0	0		
	1	7	6/1	Nurse Aide/Licensed Staff
Catheters	0	0		
	1	12.1	6/6.1	Nurse Aide/Licensed Staff
Pressure Ulcer Care	0	0		
	1	8		Licensed Staff
	2	20		Licensed Staff
	3	0	0/0	
	4	0	0/0	

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

Section 147. TABLE A(a) (continued)

Item	Level	Time	Allocation	Staff_Type
Pressure Ulcer Prevention	0	0		
	1	8	6/2	Nurse Aide/Licensed Staff
	2	14	12/2	Nurse Aide/Licensed Staff
Wound Care	0	0		
	1	6		Licensed Staff
	2	18		Licensed Staff
Injections	0	0		
	1	1		Licensed Staff
	2	4.5		Licensed Staff
Intravenous, Clysis	0	0		
	1	4		Licensed Staff
	2	8		Licensed Staff
Lab Specimen	0	0		
	1	1	.5/1.5	Nurse Aide/Licensed Staff
	2	2	1/1	Nurse Aide/Licensed Staff
Speech---Language Pathology and Audiology	3	10	5/5	Nurse Aide/Licensed Staff
	0	0		Therapist
	1	0		
Medications and Medication Monitoring	0	12.8		Licensed Staff
	1	16.1		Licensed Staff
	2	18.1		Licensed Staff
Occupational Therapy	0	0		
	1	14	13/1	Nurse Aide/Therapist
Ostomy Care	0	0		
	1	6		Licensed Staff
	2	13		Licensed Staff
Physical Therapy	0	0		
	1	14	13/1	Nurse Aide/Therapist
Respiratory Therapy	0	0		
	1	17	15/2	Nurse Aide/Licensed Staff
	2	25	5/20	Nurse Aide/Licensed Staff

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

Section 147. TABLE A(a) (continued)

Item	Level	Time	Allocation	Staff Type
Tracheostomy Care	0	0		
	1	6		Licensed Staff
	2	13		Licensed Staff
Suctioning	0	0		
	1	5		Licensed Staff
	2	30		Licensed Staff
Passive Range of Motion	0	0		
	1	11.8		Nurse Aide
Resident Assessment	0	2.6	.5/1.1/ .7/.3	Nurse Aide/Licensed Staff/ Registered Nurse/Social Worker
	1	7.8	1.5/3.3/ 2.1/.9	Nurse Aide/Licensed Staff/ Registered Nurse/Social Worker
Discharge Planning	0	0		
	1	10		Licensed Staff
Health and Fitness	0	0		
	1	4	3/1	Nurse Aide/Licensed Staff
Activities	0	10		Nurse Aide
Grooming	0	3		Nurse Aide
Social Services	0	0		
	1	2	.5/.5/1	Nurse Aide/Licensed Staff/ Social Worker
	2	3.6	.8/.8/2	Nurse Aide/Licensed Staff/ Social Worker
Restraint Management and Reduction	0	0		
	1	8	6/2	Nurse Aide/Licensed Staff
Communication	0	0		
	1	2.5	2/.5	Nurse Aide/Licensed Staff
	2	5	4/1	Nurse Aide/Licensed Staff
	3	7.5	6/1.5	Nurse Aide/Licensed Staff

DEPARTMENT OF PUBLIC AID
NOTICE OF PROPOSED AMENDMENTS

Section 147, TABLE A(a) (continued)

Agency Note: level "0" carries no reimbursement potential when accompanied by "0" time. Level "0" provides reimbursement for every facility when accompanied with time. Such time becomes a facility's base rate for every resident.

a) The following reimbursement times, allocations, and need levels apply for all reimbursement periods commencing on or after July 1, 1991 through December 31, 1992.

Item	Level	Time	Allocation	Staff Type
Bathing, Grooming	0	7	6/1	Nurse Aide/Licensed Staff
	1	13	12/1	Nurse Aide/Licensed Staff
	2	23	22/1	Nurse Aide/Licensed Staff
Clothing	0	5	4/1	Nurse Aide/Licensed Staff
	1	11	10/1	Nurse Aide/Licensed Staff
	2	21	20/1	Nurse Aide/Licensed Staff
Eating	0	7	6/1	Nurse Aide/Licensed Staff
	1	16	15/1	Nurse Aide/Licensed Staff
	2	40	39/1	Nurse Aide/Licensed Staff
Mobility	0	6	5/1	Nurse Aide/Licensed Staff
	1	13	12/1	Nurse Aide/Licensed Staff
	2	15	14/1	Nurse Aide/Licensed Staff
Continence	0	2		Nurse Aide
	1	14		Nurse Aide
	2	19.6		Nurse Aide
Psycho-Social Care	0	12		Nurse Aide
	1	28	19.5/8.5	Nurse Aide/Licensed Staff
Appliances	0	0		
	1	7	6/1	Nurse Aide/Licensed Staff
Catheters	0	0		
	1	12.1	6/6.1	Nurse Aide/Licensed Staff
Pressure Ulcer Care	0	0		
	1	8		Licensed Staff
	2	20		Licensed Staff
	3	0	0/0	Nurse Aide/Licensed Staff
	4	0	0/0	Nurse Aide/Licensed Staff

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

Section 147, TABLE A(b) (continued)

Item	Level	Time	Allocation	Staff Type
Pressure Ulcer Prevention	0	0		
	1	8	6/2	Nurse Aide/Licensed Staff
	2	14	12/2	Nurse Aide/Licensed Staff
Wound Care	0	0		
	1	6		Licensed Staff
	2	18		Licensed Staff
Injections	0	0		
	1	1		Licensed Staff
	2	4.5		Licensed Staff
Intravenous, Clysis	0	0		
	1	4		Licensed Staff
	2	8		Licensed Staff
Lab Specimen	0	0		
	1	1	.5/.5	Nurse Aide/Licensed Staff
	2	2	1/1	Nurse Aide/Licensed Staff
	3	10	5/5	Nurse Aide/Licensed Staff
Speech---Language Pathology-and Audiology	0	0		
	1	0		Therapist
Medications and Monitoring	0	12.8		Licensed Staff
	1	16.1		Licensed Staff
	2	18.1		Licensed Staff
Occupational Therapy	0	0		
	1	16	13/3	Nurse Aide/Therapist
Ostomy Care	0	0		
	1	6		Licensed Staff
	2	13		Licensed Staff
Physical Therapy	0	0		
	1	16	13/3	Nurse Aide/Therapist
Respiratory Therapy	0	0		
	1	17	15/2	Nurse Aide/Licensed Staff
	2	25	5/20	Nurse Aide/Licensed Staff

NOTICE OF PROPOSED AMENDMENTS

Section 147.TABLE A(b) (continued)

Item	Level	Time	Allocation	Staff Type
Tracheostomy Care	0	0		
	1	6		Licensed Staff
	2	13		Licensed Staff
Suctioning	0	0		
	1	5		Licensed Staff
	2	30		Licensed Staff
Passive Range of Motion	0	0		
	1	11.8		Nurse Aide
Resident Assessment	0	2.6	.5/1.1/ .7/.3	Nurse Aide/Licensed Staff/ Registered Nurse/Social Worker
	1	7.8	1.5/3.3/ 2.1/.9	Nurse Aide/Licensed Staff/ Registered Nurse/Social Worker
Discharge Planning	0	0		
	1	10		Licensed Staff
Health and Fitness	0	0		
	1	4	3/1	Nurse Aide/Licensed Staff
Activities	0	10		Nurse Aide
	0	3		Nurse Aide
Social Services	0	0		
	1	2	.5/.5/1	Nurse Aide/Licensed Staff/ Social Worker
Restraint Management and Reduction	0	0		
	1	10	8/2	Nurse Aide/Licensed Staff
Communication	0	0		
	1	2.5	2/.5	Nurse Aide/Licensed Staff
	2	5	4/1	Nurse Aide/Licensed Staff
	3	7/.5	6/1.5	Nurse Aide/Licensed Staff

Section 147.TABLE A(b) (continued)

Agency Note: level "0" carries no reimbursement potential when accompanied by "0" time. Level "0" provides reimbursement for every facility when accompanied with time. Such time becomes a facility's base rate for every resident.

c) The following reimbursement times, allocations, and need levels apply for all reimbursement periods commencing on or after January 1, 1993.

Item	Level	Time	Allocation	Staff Type
Bathing, Grooming	0	7	6/1	Nurse Aide/Licensed Staff
	1	13	12/1	Nurse Aide/Licensed Staff
	2	23	22/1	Nurse Aide/Licensed Staff
Clothing	0	5	4/1	Nurse Aide/Licensed Staff
	1	11	10/1	Nurse Aide/Licensed Staff
	2	21	20/1	Nurse Aide/Licensed Staff
Eating	0	7	6/1	Nurse Aide/Licensed Staff
	1	16	15/1	Nurse Aide/Licensed Staff
	2	40	39/1	Nurse Aide/Licensed Staff
	3	40		Licensed Staff
Mobility	0	6	5/1	Nurse Aide/Licensed Staff
	1	13	12/1	Nurse Aide/Licensed Staff
	2	15	14/1	Nurse Aide/Licensed Staff
Continence	0	2		Nurse Aide
	1	14		Nurse Aide
	2	19.6		
Psycho-Social Care	0	12		Nurse Aide
	1	28	19.5/8.5	Nurse Aide/Licensed Staff
Appliances	0	0		
	1	7	6/1	Nurse Aide/Licensed Staff
Catheters	0	0		
	1	12.1	6/6.1	Nurse Aide/Licensed Staff
Pressure Ulcer Care	0	0		
	1	8		Licensed Staff
	2	20		Licensed Staff
	3	0	0/0	Nurse Aide/Licensed Staff
	4	0	0/0	Nurse Aide/Licensed Staff

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NOTICE OF PROPOSED AMENDMENTS

Section 147. TABLE A(c) (continued)

Item	Level	Time	Allocation	Staff Type
Pressure Ulcer Prevention	0 1 2	0 8 14	6/2 12/2	Nurse Aide/Licensed Staff Nurse Aide/Licensed Staff
Wound Care	0 1 2	0 6 18		Licensed Staff Licensed Staff
Injections	0 1 2	0 1 4.5		Licensed Staff Licensed Staff
Intravenous, Clysis	0 1 2	0 4 8		Licensed Staff Licensed Staff
Lab Specimen	0 1 2 3	0 1 2 10	5/5.5 1/1 5/5	Nurse Aide/Licensed Staff Nurse Aide/Licensed Staff Nurse Aide/Licensed Staff
Medications and Medication Monitoring	0 1 2	12.8 16.1 18.1		Licensed Staff Licensed Staff Licensed Staff
Occupational Therapy and Related Rehabilitation Services	0 1 2 3	0 16 14 14	13/3 1/13 1/13	Nurse Aide/Therapist Therapist/Therapist Asst. Therapist
Ostomy Care	0 1 2	0 6 13		Licensed Staff Licensed Staff
Physical Therapy and Related Rehabilitation Services	0 1 2 3	0 16 14 14	13/3 1/13	Nurse Aide/Therapist Therapist/Therapist Asst. Therapist
Respiratory Therapy	0 1 2	0 17 25	15/2 5/20	Nurse Aide/Licensed Staff Nurse Aide/Licensed Staff

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Section 147. TABLE A(c) (continued)

Item	Level	Time	Allocation	Staff Type
Tracheostomy Care	0 1 2	0 6 13		Licensed Staff Licensed Staff
Suctioning	0 1 2	0 5 30		Licensed Staff Licensed Staff
Passive Range of Motion	0 1	0 11.8		Nurse Aide
Resident Assessment	0	2.6	5/1.1/ .7/.3	Nurse Aide/Licensed Staff/ Registered Nurse/Social Worker
Discharge Planning	0 1	0 10	1.5/3.3/ 2.1/.9	Nurse Aide/Licensed Staff/ Registered Nurse/Social Worker
Health and Fitness	0 1	0 4	3/1	Licensed Staff
Activities	0	10		Nurse Aide/Licensed Staff
Grooming	0	3		Nurse Aide
Social Services	0 1	0 2	5/5.5/1	Nurse Aide/Licensed Staff/ Social Worker
Restraint Management and Reduction	0 1	0 10	1/1/5	Nurse Aide/Licensed Staff/ Social Worker
Communication	0 1 2 3	0 2.5 5 7.5	8/2 2/.5 4/1 6/1.5	Nurse Aide/Licensed Staff Nurse Aide/Licensed Staff Nurse Aide/Licensed Staff
Speech Therapy	0 1	0 8		Therapist

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Section 147. TABLE A(c) (continued)

Agency Note: Level "0" carries no reimbursement potential when accompanied by "0" time. Level "0" provides reimbursement for every facility when accompanied with time. Such time becomes a facility's base rate for every resident.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 147. TABLE B Staff Time and Allocation for Restorative Programs

Table B refers to Section 147.25, "Restorative Care"

- a) The following reimbursement times, allocations, and need levels apply for all reimbursement periods commencing on January 1, 1988, through June 30, 1989.

Item	Level	Time	Allocation	Staff Type
Bathing, Grooming	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
Clothing	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
Eating	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
Mobility	0	0		
	1	20	18/2	Nurse Aide/Licensed Staff

Agency Note: Level "0" carries no reimbursement potential when accompanied by "0" time.

- b) The following reimbursement times, allocations, and need levels apply for all reimbursement periods commencing on July 1, 1989 through December 31, 1990.

Item	Level	Time	Allocation	Staff Type
Bathing, Grooming	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
	2	20	18/2	Nurse Aide/Licensed Staff
Clothing	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
	2	20	18/2	Nurse Aide/Licensed Staff

Section 147. TABLE B(b) (continued)

Eating

	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
	2	20	18/2	Nurse Aide/Licensed Staff

Mobility

	0	0		
	1	20	18/2	Nurse Aide/Licensed Staff
	2	27	25/2	Nurse Aide/Licensed Staff

Agency Note: Level "0" carries no reimbursement potential when accompanied by "0" time.

- a) The following reimbursement times, allocations, and need levels, apply for all reimbursement periods commencing on January 1, 1991 through June 30, 1991.

Item	Level	Time	Allocation	Staff Type
Bathing, Grooming	0	0		
	1	14	12/4	Nurse Aide/Licensed Staff
	2	20	18/2	Nurse Aide/Licensed Staff
Clothing	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
	2	20	18/2	Nurse Aide/Licensed Staff
Eating	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
	2	23	21/2	Nurse Aide/Licensed Staff
Mobility	0	0		
	1	20	18/2	Nurse Aide/Licensed Staff
	2	27	25/2	Nurse Aide/Licensed Staff
Continence	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
	2	26	24/2	Nurse Aide/Licensed Staff

Agency Note: Level "0" carries no reimbursement potential when accompanied by "0" time.

- b) The following reimbursement times, allocations, and need levels apply for all reimbursement periods commencing on or after July 1, 1991 through December 31, 1992.

Section 147. TABLE B(b) (continued)

Item	Level	Time	Allocation	Staff Type
Bathing, Grooming	0	0		
	1	16	12/4	Nurse Aide/Licensed Staff
	2	22	18/4	Nurse Aide/Licensed Staff
Clothing	0	0		
	1	16	12/4	Nurse Aide/Licensed Staff
	2	22	18/4	Nurse Aide/Licensed Staff
Eating	0	0		
	1	27	22/5	Nurse Aide/Licensed Staff
	2	36	31/5	Nurse Aide/Licensed Staff
Mobility	0	0		
	1	22	18/4	Nurse Aide/Licensed Staff
	2	29	25/4	Nurse Aide/Licensed Staff
Continence	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
	2	26	24/2	Nurse Aide/Licensed Staff

Agency Note: Level "0" carries no reimbursement potential when accompanied by "0" time.

c) The following reimbursement times, allocations, and need levels apply for all reimbursement periods commencing on or after January 1, 1993.

Item	Level	Time	Allocation	Staff Type
Bathing, Grooming	0	0		
	1	17	12/4/1	Nurse Aide/Licensed Staff/Therapist
	2	23	18/4/1	Nurse Aide/Licensed Staff/Therapist
Clothing	0	0		
	1	17	12/4/1	Nurse Aide/Licensed Staff/Therapist
	2	23	18/4/1	Nurse Aide/Licensed Staff/Therapist

Section 147. TABLE B(c) (continued)

Eating	0	0		
	1	28	22/5/1	Nurse Aide/Licensed Staff/Therapist
	2	37	31/5/1	Nurse Aide/Licensed Staff/Therapist
Mobility	0	0		
	1	23	18/4/1	Nurse Aide/Licensed Staff/Therapist
	2	30	25/4/1	Nurse Aide/Licensed Staff/Therapist
Continence	0	0		
	1	14	12/2	Nurse Aide/Licensed Staff
	2	26	24/2	Nurse Aide/Licensed Staff

Agency Note: Level "0" carries no reimbursement potential when accompanied by "0" time.

(Source: Amended at 17 Ill. Reg. ____, effective ____)

Section 147. TABLE D Functional Needs and Restorative Care

a) Category 1 - Bathing/Grooming

1) Functional Area

A) Verification of Level of Service

i) Kardex, flow sheet or care plan;

ii) Observation of resident to determine overall functional ability;

iii) Observation of 5-12 residents during bathing to determine level of assistance provided; and

iv) Need for hands-on assistance must be supported by assessment/evaluation.

B) Needs Not Met

i) Following supplies are not available and/or the facility does not have a method of identifying

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NOTICE OF PROPOSED AMENDMENTS

Section 147.TABLE D(a)(1)(B)(i) (continued)

individual resident supplies. Resident supplies are not stored in a sanitary manner: toothbrush and paste; comb; denture supplies, if appropriate; shavers or razors; washcloth and towels; and soap.

ii) Facility does not have available: clippers or scissors for nail care; individualized deodorants; and shampoos.

iii) Equipment is not: in good repair; clean; sanitized between resident use; used, as evidenced by resident's appearance.

iv) Resident has: dirty or untrimmed nails; dirty or uncombed hair; body odor; a dirty body, includes earwax build up, foreign matter crusted on eyes or mouth, etc.; lack of oral hygiene; and not been shaven (see Agency Note).

C) Agency Note

i) Consider the time of day, i.e., right after a meal a resident may not be as clean as early morning.

ii) If the case manager determines the documented level of bathing assistance required by the facility staff is incorrect in more than 25% of the residents checked for verification, the case manager will have to check more residents for verification. (All residents in the facility may have to be checked if the facility does not give accurate information.)

iii) If resident is not shaved due to personal preference, it should be noted in the Kardex or care plan.

iv) Odor related to a medical condition or untreatable cause should not be marked NEED NOT MET, so long as the problem has been identified. The problem is documented in the clinical record and there is an appropriately implemented treatment plan to correct or alleviate the condition.

2) Restorative

A) Verification of Level of Service

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Section 147.TABLE D(a)(2)(A) (continued)

i) Restorative assessment completed by an RN who has completed an approved rehabilitation course, a registered occupational therapist or a registered physical therapist must be done annually with reviews done quarterly unless the resident's physical and/or mental status significantly changes to warrant a comprehensive assessment or review sooner.

ii) Restorative assessment/reassessment, at least every 90 days, with program noted on care plan and must contain measurable goals to increase the resident's functional level utilizing interdisciplinary approaches.

iii) Observation of this program to ensure plan as specified in the care plan is being implemented.

iv) Monthly documentation of resident response by licensed staff or cosigned by licensed staff.

B) Need Not Met

i) No assessment/reassessment in the last 90 days.

ii) Goals met and new goals not established.

iii) Restorative intervention not implemented as specified in the care plan.

iv) Resident not meeting goal(s) (established by the physical therapist, occupational therapist or registered nurse who has successfully completed an approved rehabilitation course), and clinical record and care plan do not indicate staff is addressing the lack of progress.

v) Licensed staffs' notations of the resident's response is not documented at least monthly in the clinical record.

C) Agency Note

i) Clinical record may include any type of interdisciplinary team documentation, i.e., treatment report, flowsheet, etc.

Approved by Board of Public Aid

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NOTICE OF PROPOSED AMENDMENTS

Section 147, TABLE D(a)(2)(C)(x) (continued)

ii) Assessment should address: identification of resident's strengths and potential; identification of resident's deficit areas and causes; and strengths/deficits should be stated in specific terms.

iii) Restorative program should address steps of program reflected in care plan.

iv) Restorative programs are limited to residents who cannot perform functional tasks; but an assessment has determined that the resident has a reasonable likelihood of increasing his/her functional level.

v) If resident fails to increase his/her functional ability, after initial improvement, credit will still be given as long as restorative care continues to be carried out in Level 2 Maintenance.

vi) Progress should be noted by objective documentation indicating increase in resident's functional level.

vii) Restorative programs must be integrated into the resident's daily care except when contraindicated at which time the program should be revised.

viii) Resident must receive Level 1 or 2 services to qualify for a corresponding ADL restorative program.

ix) An assessment should be completed identifying the resident's current level of functioning in bathing and grooming. The assessment should state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability or has lost functional ability.

x) Prior to a resident being given credit for restoration care in any program, the following must be met: an assessment completed identifying the resident's current level of functioning and plan developed to increase this level of functioning by either a physical therapist, occupational therapist, or a registered nurse who has successfully completed an

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Section 147, TABLE D(a)(2)(C)(x) (continued)

approved rehabilitation course; a reassessment is conducted as indicated in the initial plan. An assessment must be conducted at least every 90 days but can be conducted as frequently as needed based on outcome and response; program must be reflected in the resident's care plan; staff carries out the restorative care programs as indicated by the plan and records resident's response to the restorative care programs in the clinical record at least monthly; and the program is reviewed at the time of the care plan meeting by the interdisciplinary team; if resident fails to increase his functional ability, after initial improvement, credit will still be given as long as restorative care continues to be provided. ~~{The care plan review is required by 42-CFR-483.20 {1990}}~~

3) Restorative Maintenance

A) Verification of Level of Service

i) Restorative assessment completed by an RN who has completed an approved rehabilitation course, a registered occupational therapist or a registered physical therapist must be done annually with reviews done quarterly unless the resident's physical and/or mental status significantly changes to warrant a comprehensive assessment or review sooner.

ii) Restorative assessment/reassessment, at least every 90 days, with program noted on care plan and must contain measurable goals to increase/maintain the resident's functional level utilizing interdisciplinary approaches.

iii) Observation of this program to ensure plan as specified in the care plan is being implemented.

iv) Monthly documentation of resident response by licensed staff or assigned by licensed staff.

B) Needs Not Met

i) No assessment/reassessment in the last 90 days.

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Section 147. TABLE D(a)(3)(B) (continued)

- ii) Restorative intervention not implemented as specified in the care plan.
- iii) Licensed staffs' notation of the resident's response not documented at least monthly in the clinical record.
- iv) Resident not meeting maintenance goal(s) established by the physical therapist, occupational therapist, or registered nurse who has successfully completed an approved rehabilitation course.

C) Agency Note

A facility cannot place a resident on maintenance for whom the facility has not tried and documented a variety of restorative measures which increased the resident's functional level of this ADL.

b) Category 2 - Clothing

1) Functional Level

A) Verification of Level of Service

- i) Kardex or flowsheet or care plan.
- ii) Observation of resident to determine overall functional ability.
- iii) Observation of 5-12 residents during dressing to determine level of assistance provided.
- iv) Need for hands-on assistance must be supported by assessment/reassessment.

B) Need Not Met

When resident is:

- i) Not wearing clothing that is clean, odor-free, in good repair, well fitting, appropriate to the season, time of day and condition of the resident.
- ii) Not wearing underwear, unless contraindicated.

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Section 147. TABLE D(b)(1)(B) (continued)

- iii) Not wearing socks, unless contraindicated.
- iv) Not wearing shoes or slippers, unless contraindicated.
- v) Wearing clothing visibly marked with name.

C) Agency Note

- i) If shoes or slippers are unable to be worn due to physical disability or physician's orders, this must be documented on the Kardex or the care plan.

- ii) Consider time of day, i.e. at 4:00 p.m. clothing may not be as clean as at 8:00 a.m.

- iii) If underwear is contraindicated this must be documented on the Kardex or the care plan.

2) Restorative

A) Verification of Level of Service

- i) Restorative assessment completed by an RN who has completed an approved rehabilitation course, a registered occupational therapist or a registered physical therapist must be done annually with reviews done quarterly unless the resident's physical and/or mental status significantly changes to warrant a comprehensive assessment or review sooner.
- ii) Restorative assessment/reassessment, at least every 90 days, with program noted on care plan and must contain measurable goals to increase the resident's functional level utilizing interdisciplinary approaches.
- iii) Observation of this program to ensure plan as specified in the care plan is being implemented.

- iv) Monthly documentation of resident response by licensed staff or cosigned by licensed staff.

B) Need Not Met

- i) No assessment/reassessment in the last 90 days.
- ii) Goals met and new goals not established.

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Section 147. TABLE D(b)(2)(B) (continued)

- iii) Restorative intervention not implemented as specified in the care plan.
 - iv) Resident not meeting goal(s) (established by the physical therapist, occupational therapist or registered nurse who has successfully completed an approved rehabilitation course) and the clinical record, and care plan does not indicate staff addressing the lack of progress.
 - v) Licensed staffs' notations of the resident's response not documented at least monthly in the clinical record.
- C) Agency Note
- i) Clinical record may include any type of interdisciplinary team documentation, i.e., treatment report, flowsheet, etc.
 - ii) Assessment should address: identification of resident's strengths and potential; identification of resident's deficit areas and causes; and strengths/deficits should be stated in specific terms.
 - iii) Restorative program should address steps of program reflected in care plan.
 - iv) Restorative programs are limited to residents who cannot perform functional tasks; but an assessment has determined that the resident has a reasonable likelihood of increasing his/her functional level.
 - v) Progress should be noted by objective documentation indicating increase in resident's functional level.
 - vi) If resident fails to increase his functional ability, after initial improvement, credit will still be given as long as restorative care continues to be carried out in Level 2 Maintenance.
 - vii) Resident must receive Level 1 or 2 services to qualify for a corresponding ADL restorative program.
 - viii) Restorative programs must be integrated into the resident's daily care except when contraindicated, at which time the program should be revised.

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Section 147. TABLE D(b)(2)(C) (continued)

- ix) An assessment should be completed identifying the resident's current level of functioning in dressing. The assessment should state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability or has lost functional ability.
 - x) Prior to a resident being given credit for restorative care in any program, the following must be met: an assessment completed identifying the resident's current level of functioning and plan developed to increase this level of functioning by either a physical therapist, occupational therapist, or a registered nurse who has successfully completed an approved rehabilitation course; a reassessment is conducted as indicated in the initial plan. An assessment must be conducted at least every 90 days but can be conducted as frequently as needed based on outcome and response; program must be reflected in the resident's care plan; staff carries out the restorative care programs as indicated by the plan and records resident's response to the restorative care programs in the clinical record at least monthly; and the program is reviewed at the time of the care plan meeting by the interdisciplinary team; if resident fails to increase his functional ability, after initial improvement, credit will still be given as long as restorative care continues to be provided. (The care plan review is required by 42-CFR 483.20 (1000)).
- 3) Restorative Maintenance
- A) Verification of Level of Service
 - i) Restorative assessment completed by an RN who has completed an approved rehabilitation course, a registered occupational therapist or a registered physical therapist must be done annually with reviews done quarterly unless the resident's physical and/or mental status significantly changes to warrant a comprehensive assessment or review sooner.

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Section 147. TABLE D(b)(3)(A) (continued)

- ii) Restorative assessment/reassessment, at least every 90 days, with program noted on care plan and must contain measurable goals to increase/maintain the resident's functional level utilizing interdisciplinary approaches.
 - iii) Observation of this program to ensure plan as specified in the care plan is being implemented.
 - iv) Monthly documentation of resident response by licensed staff or cosigned by licensed staff.
- B) Needs Not Met
- i) No assessment/reassessment in the last 90 days.
 - ii) Restorative intervention not implemented as specified in the care plan.
 - iii) Licensed staffs' notation of the resident's response not documented at least monthly in the clinical record.
 - iv) Resident not meeting maintenance goal(s) established by the physical therapist, occupational therapist, or registered nurse who has successfully completed an approved rehabilitation course.

C) Agency Note

A facility cannot place a resident on maintenance for whom the facility has not tried and documented a variety of restorative measures which increased the resident's functional level of ADL.

c) Category 3 - Eating

1) Functional Area

A) Verification of Level of Service

- i) Kardex or flowsheet or care plan.
- ii) Observation of resident to determine overall functional ability.

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Section 147. TABLE D(c)(1)(A) (continued)

- iii) Observation of all residents to assure staff is providing assistance as indicated in the Kardex and/or flowsheet and/or care plan.
 - iv) Physician order for tube feeding.
 - v) Need for hands-on assistance must be supported by assessment/reassessment.
- B) Need Not Met
- i) Does not receive the assistance as indicated in the Kardex or flow sheet or care plan or as indicated by observation of the resident.
 - ii) Does not receive diet as ordered, including snacks as scheduled.
 - iii) Does not have adaptive devices available, if indicated in the Kardex and/or flowsheet and/or care plan, i.e. plate guards, built-up spoons and forks and clothing protectors. Adaptive devices are not used appropriately as indicated in the clinical record.
 - iv) Fluids not offered and/or accessible to residents between meals.
 - v) Food not served at appropriate temperature; i.e. warm foods not served warm and cold foods are not served cold as evidenced by resident's response/verbalization and as confirmed by case manager observation.
 - vi) Food appropriate utensils not provided/available.
 - vii) Facility protocol for weighing residents not followed.
 - viii) Facility not following its own protocol and/or written procedures for tube feedings.
 - ix) Weight loss or gain of 5% in one month, 7.5% in three months, 10% in six months or a continuous weight loss or gain over six months not reported to the physician.
 - x) Plan for corrective action regarding weight loss or gain not developed or implemented, as per physician order.

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Section 147. TABLE D(c)(1)(B) (continued)

Section 147. TABLE D(c)(2)(B) (continued)

- xi) Protocols not available or followed for tube feeding.
- xii) Tube feeding not rendered by licensed personnel.
- xiii) Equipment for tube feedings is soiled or improperly maintained.

C) Agency Note

Protocol must address safety, infection control procedures, I & O, frequency of weighing and should outline steps of tube feeding procedures. If protocol is in question, refer to team Physician Consultant.

2) Restorative

A) Verification of Level of Service

- i) Restorative assessment completed by an RN who has completed an approved rehabilitation course, a registered occupational therapist, a registered physical therapist or a speech language pathologist must be done annually with reviews done quarterly unless the resident's physical and/or mental status significantly changes to warrant a comprehensive assessment or review sooner.
- ii) Restorative assessment/reassessment, at least every 90 days, with program noted on care plan and must contain measurable goals to increase the resident's functional level utilizing interdisciplinary approaches.
- iii) Observation of this program to ensure plan as specified in the care plan is being implemented.
- iv) Monthly documentation of resident response by licensed staff or cosigned by licensed staff.

B) Need Not Met

- i) No assessment/reassessment in the last 90 days.
- ii) Goals met and new goals not established.
- iii) Restorative intervention not implemented as specified in the care plan.

- iv) Resident not meeting goal(s) (established by the physical therapist, occupational therapist, speech language pathologist, or registered nurse who has successfully completed an approved rehabilitation course) and the clinical record, and care plan does not indicate staff is addressing the lack of progress.
- v) Licensed staffs' notations of the resident's response not documented at least monthly in the clinical record.

C) Agency Note

- i) Clinical record may include any type of interdisciplinary team documentation, i.e., treatment report, flowsheet, etc.
- ii) Assessment must address: identification of resident's strengths and potential; identification of resident's deficit areas and causes; and strengths/ deficits must be stated in specific terms.
- iii) Restorative program must address steps of program-reflected in care plan.
- iv) Restorative programs are limited to residents who cannot perform functional tasks, but an assessment has determined that the resident has a reasonable likelihood of increasing his/her functional level.
- v) If resident fails to increase his functional ability, after initial improvement, credit will still be given as long as restorative care continues to be carried out in Level 2 Maintenance.
- vi) Progress by objective documentation indicating increase in resident's functional level.
- vii) Restorative programs must be integrated into the resident's daily care except when contraindicated, at which time the program must be revised.
- viii) Resident must receive Level 1 or 2 services to qualify for a corresponding APL restorative program.

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Section 147.TABLE D(c)(2)(C) (continued)

Section 147.TABLE D(c)(3)(A) (continued)

ix) An assessment should be completed identifying the resident's current level of functioning in eating. The assessment should state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability or has lost functional ability.

x) Prior to a resident being given credit for restorative care in any program, the following must be met: an assessment completed identifying the resident's current level of functioning and plan developed to increase this level of functioning by either a physical therapist, occupational therapist, a registered nurse who has successfully completed an approved rehabilitation course, or a speech language pathologist; a reassessment is conducted as indicated in the initial plan. An assessment must be conducted at least every 90 days but can be conducted as frequently as needed based on outcome and response; program must be reflected in the resident's care plan; staff carries out the restorative care programs as indicated by the plan and records resident's response to the restorative care programs in the clinical record at least monthly; and the program is reviewed at the time of the care plan meeting by the interdisciplinary team; if resident fails to increase his/her functional ability, after initial improvement, credit will still be given as long as restorative care continues to be provided. ~~{The care plan review is required by 42-CFR-483.20-(1990)}~~.

3) Restorative Maintenance

A) Verification of Level of Service

i) Restorative assessment completed by an RN who has completed an approved rehabilitation course, a registered occupational therapist, a registered physical therapist or a speech language pathologist must be done annually with reviews done quarterly unless the resident's physical and/or mental status significantly changes to warrant a comprehensive assessment or review sooner.

ii) Restorative assessment/reassessment, at least every 90 days, with program noted on care plan and must contain measurable goals to increase/maintain the resident's functional level utilizing interdisciplinary approaches.

iii) Observation of this program to ensure plan as specified in the care plan is being implemented.

iv) Monthly documentation of resident response by licensed staff or cosigned by licensed staff.

B) Needs Not Met

i) No assessment/reassessment in the last 90 days.

ii) Restorative intervention not implemented as specified in the care plan.

iii) Licensed staff's notation of the resident's response not documented at least monthly in the clinical record.

iv) Resident not meeting maintenance goal(s) established by the physical therapist, occupational therapist, speech language pathologist, or registered nurse who has successfully completed an approved rehabilitation course.

C) Agency Note

A facility cannot place a resident on maintenance for whom the facility has not tried and documented a variety of restorative measures which increased the resident's functional level of ADL.

d) Category 4 - Mobility

1) Functional Area

A) Verification of Level of Service

i) Kardex or flowsheet or care plan.

ii) Observation of residents to determine overall functional ability and if wheelchair, walkers, or other assistive devices are available and used.

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Section 147. TABLE D(d)(1)(A) (continued)

- iii) Residents should be observed being assisted by facility staff, as needed.
- iv) Need for hands on assistance must be supported by assessment/reassessment.
- B) Need Not Met
 - i) Resident who is not able to change position independently has not been exercised or ambulated and repositioned every two hours.
 - ii) Resident is not positioned properly.
 - iii) Assistive device is not in proper working order, and/or clean or well fitting i.e. walker, cane, wheelchair, etc.
 - iv) The facility does not have, or is not implementing, a plan for monitoring a resident who is unable to use the call bell or the call bell is not within reach of a resident in his or her room who can use the call bell.
 - v) Resident needs and does not have assistive device as ordered by a physician.
 - vi) Staff do not respond when summoned by a resident for help or assistance.
 - vii) Not following physician order on bed rest.
- C) Agency Note
 - i) Residents who are totally bedfast will be scored Level 0 for mobility.
 - ii) If resident is unable to use call bell, care plan on Kardex must indicate staff plan for monitoring resident.
 - iii) Bedrest is an order by physician that resident is to be in bed at all times, except up at intervals of no more than one hour up to three times a day, i.e. for meals in room. Scoring will be according to the assistance required and provided.

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Section 147. TABLE D(d) (continued)

- 2) Restorative
 - A) Verification of Level of Service
 - i) Restorative assessment completed by an RN who has completed an approved rehabilitation course, a registered occupational therapist or a registered physical therapist must be done annually with reviews done quarterly unless the resident's physical and/or mental status significantly changes to warrant a comprehensive assessment or review sooner.
 - ii) Restorative assessment/reassessment, at least every 90 days, with program noted on care plan and must contain measurable goals to increase the resident's functional level utilizing interdisciplinary approaches.
 - iii) Observation of this program to ensure plan as specified in the care plan is being implemented.
 - iv) Monthly documentation of resident response by licensed staff or cosigned by licensed staff.
 - B) Need Not Met
 - i) No assessment/reassessment in the last 90 days.
 - ii) Goals met and new goals not established.
 - iii) Restorative intervention not implemented as specified in the care plan.
 - iv) Resident not meeting goal(s) (established by the physical therapist, occupational therapist or registered nurse who has successfully completed an approved rehabilitation course) the clinical record, and care plan does not indicate staff is addressing the lack of progress.
 - v) Licensed staff's notations of the resident's response is not documented at least monthly in the clinical record.
 - C) Agency Note

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Section 147.TABLE D(d)(2)(C) (continued)

- i) Clinical record may include any type of interdisciplinary team documentation, i.e., treatment report, flowsheet, etc.
- ii) Assessment should address: identification of resident's strengths and potential; identification of resident's deficit areas and causes; and strengths/deficits should be stated in specific terms.
- iii) Restorative program should address steps of program-reflected in care plan.
- iv) Restorative programs are limited to residents who cannot perform functional tasks; but an assessment has determined that the resident has a reasonable likelihood of increasing his/her functional level.
- v) If resident fails to increase his functional ability, after initial improvement, credit will still be given as long as restorative care continues to be carried out in Level 2 Maintenance.
- vi) Progress by objective documentation indicating increase in resident's functional level.
- vii) Restorative programs must be integrated into the resident's daily care except when contraindicated at which time they should be revised.
- viii) Resident independent in mobility due to assistive device may qualify for ADL restorative mobility program and PT when program is to assist resident to move to a less restrictive mode of ambulation otherwise an ADL must be scored a 1 or higher.
- ix) An assessment should be completed identifying the resident's current level of functioning in bed mobility, transfer and locomotion. The assessment should state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability or has lost functional ability.

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Section 147.TABLE D(d)(2)(C) (continued)

- x) Prior to a resident being given credit for restorative care in any program, the following must be met: an assessment completed identifying the resident's current level of functioning and plan developed to increase this level of functioning by either a physical therapist, occupational therapist, or a registered nurse who has successfully completed an approved rehabilitation course; a reassessment is conducted as indicated in the initial plan. An assessment must be conducted at least every 90 days but can be conducted as frequently as needed based on outcome and response; program must be reflected in the resident's care plan; staff carries out the restorative care programs as indicated by the plan and records resident's response to the restorative care programs in the clinical record at least monthly; and the program is reviewed at the time of the care plan meeting by the interdisciplinary team; if resident fails to increase his functional ability, after initial improvement, credit will still be given as long as restorative care continues to be provided.
{The-care-plan-review-is-required-by-42-CFR-483.20 {1996}}}
- 3) Restorative Maintenance
 - A) Verification of Level of Service
 - i) Restorative assessment completed by an RN who has completed an approved rehabilitation course, a registered occupational therapist or a registered physical therapist must be done annually with reviews done quarterly unless the resident's physical and/or mental status significantly changes to warrant a comprehensive assessment or review sooner.
 - ii) Restorative assessment/reassessment, at least every 90 days, with program noted on care plan and must contain measurable goals to increase/maintain the resident's functional level utilizing interdisciplinary approaches.
 - iii) Observation of this program to ensure plan as specified in the care plan is being implemented.

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Section 147.TABLE D(d)(3)(A) (continued)

- iv) Monthly documentation of resident response by licensed staff or cosigned by licensed staff.

B) Needs Not Met

- i) No assessment/reassessment in the last 90 days.
- ii) Restorative intervention not being implemented as specified in the care plan.
- iii) Resident is not meeting maintenance goal(s) established by the physical therapist, occupational therapist, or registered nurse who has successfully completed an approved rehabilitation course.
- iv) Licensed nurses' notation of the resident's response is not documented at least monthly in the clinical record.

C) Agency Note

A facility cannot place a resident on maintenance for whom the facility has not tried and documented a variety of restorative measures which increased the resident's functional level of this ADL.

e) Category 5 - Contenance

1) Functional Area

A) Verification of Level of Service

- i) Assessment and care plan or assessment and Kardex.
- ii) Observation of resident to determine overall functional ability.

- iii) Staff should be observed toileting the resident as per resident assessment (Level 2 only).

- iv) Staff's mechanism to identify resident's need to toilet (Level 2 only).

- v) Need for hands on assistance must be supported by assessment / care plan.

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Section 147.TABLE D(e)(1) (continued)

B) Need Not Met

- i) Facility not following its own protocol for a bowel and bladder program.
- ii) Resident is allowed to remain wet and/or soiled for prolonged periods of time as demonstrated by skin irritation, dried urine and/or feces stains in bed linen and/or clothing.
- iii) Resident is not thoroughly cleaned after episode of incontinence as demonstrated by smell of urine/defecation on body and clothing.
- iv) Resident found wet and/or soiled and remains wet and/or soiled thirty minutes after finding.
- v) Staff is not immediately responsive to resident's request for toileting.

C) Agency Note

- i) For the purpose of this item, Level 2 includes informal B & B programs. Level 2 scores include residents who dribble and are assisted to the bathroom.

- ii) If unable to verify level of service through observation of residents being toileted, target 5-12 residents to determine if bed and/or clothing is wet, soiled or if odor of urine or feces is present.

- iii) Assessment as indicated means focusing on the portion of the previously completed overall resident assessment which indicates the resident's bowel and bladder capabilities. The assessment reflects the current needs of the resident.

- iv) Give zero score for resident who dribbles and changes own continence pads.

2) Restorative

A) Verification of Level of Service

NOTICE OF PROPOSED AMENDMENTS

Section 147. TABLE D(e)(2)(A) (continued)

- i) Restorative assessment/reassessment at least every 90 days with program noted on care plan and must contain measurable goals to increase the resident's functional level utilizing interdisciplinary approaches.
- ii) Observation of the program to ensure that plan is being implemented as specified in the care plan and is individualized to the resident's needs.
- iii) Monthly documentation of resident response by licensed staff or cosigned by licensed staff.

B) Need Not Met

- i) No assessment/reassessment within 90 days.
- ii) Goal met and new goal not established.
- iii) Restorative intervention not implemented as specified in care plan.
- iv) Resident not meeting goal(s) established by the interdisciplinary team and the clinical record and care plan does not indicate staff is addressing the lack of progress.
- v) Staff notations of the resident response to the program is not documented at least monthly in the clinical record.
- vi) Not following facility protocol.
- vii) Has not established facility protocol.

C) Agency Note

- i) Clinical record may include any type of interdisciplinary team documentation, i.e., treatment report, flowsheet, etc.
- ii) Assessment addresses identification of resident's deficit areas and causes such as medications, mental status, ability to control urine, self-care abilities, mobility, voiding/ elimination patterns/hydration

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Section 147. TABLE D(e)(2)(C)(ii) (continued)

- iii) Facility protocol should include types of incontinence, assessment, plan, implementation measures, evaluation techniques, staff training and monitoring.
- iv) Restorative program and approaches should be reflected in the care plan.
- v) Restorative programs are limited to residents whose assessment has determined that there is a reasonable likelihood of increasing his or her functional level.
- vi) If resident, after initial improvement, fails to continue to increase his/her functional ability, credit will still be given as long as restorative program continues to be carried out (Level 2 Maintenance).
- vii) Progress should be noted by objective documentation indicating increase in resident's functional level as compared to initial baseline and/or most recent assessment.
- viii) Restorative programs must be integrated into the resident's daily care except when contraindicated, at which time the program should be revised.
- ix) Resident must be scored a Level 2 (in functional area) in order to qualify for a corresponding ADL Restorative Continence program.
- x) The formal program must include, but is not limited to, training/counseling, voiding and elimination pattern records, toileting and hydration.
- xi) The training program does not have to be hands-on assistance.
- xii) Give zero score for formal bowel and bladder program if facility is not following its own protocol.

NOTICE OF PROPOSED AMENDMENTS

Section 147.TABLE D(e)(2)(C) (continued)

xiii) An assessment should be completed identifying the resident's current level of functioning in continence. The assessment should state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed in ability or has lost functional ability.

xiv) Prior to a resident being given credit for restorative care in any program, the following must be met: an assessment completed identifying the resident's current level of functioning and plan developed to increase this level of functioning by either a physical therapist, occupational therapist or a registered nurse who has successfully completed an approved rehabilitation course; a reassessment is conducted as indicated in the initial plan. An assessment must be conducted at least every 90 days but can be conducted as frequently as needed based on outcome and response; program must be reflected in the resident's care plan; staff carries out the restorative care programs as indicated by the plan and records resident's response to the restorative care programs in the clinical record at least monthly; and the program is reviewed at the time of the care plan meeting by the interdisciplinary team; if resident fails to increase his functional ability, after initial improvement, credit will still be given as long as restorative care continues to be provided. (The care plan review is required by 42 CFR 484.20 (1990)).

3) Restorative Maintenance

A) Verification of Level of Service

1) Restorative assessment/reassessment at least every 90 days with program noted on care plan and must contain measurable goals to increase/maintain the resident's functional level of living independence approaches.

ii) Observation of this program to ensure plan as specified in the care plan is being implemented.

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Section 147.TABLE D(e)(3)(A) (continued)

iii) Monthly documentation of resident response by licensed staff or cosigned by licensed staff.

B) Needs Not Met

i) No assessment/reassessment in the last 90 days.

ii) Restorative intervention not implemented as specified in the care plan.

iii) Staff notation of the resident's response to the program not documented at least monthly in the clinical record.

iv) Resident not meeting maintenance goal(s) established by the interdisciplinary team, unless the regression is justified and/or the facility has attempted alternative methods.

v) Not following facility protocol.

vi) A facility cannot place a resident on maintenance for whom the facility has not tried and documented a variety of restorative measures which increased the resident's functional level of this ADL.

f) Category 6 - Psychosocial/Mental Status

1) Verification of Level of Service

A) Observation of actual intervention, i.e. if group, observe group; if 1:1 counseling, observe session; if episodic intervention, observe if possible.

B) Completed assessment identifying resident's current psychosocial needs.

C) Staff assessing and implementing programs must be knowledgeable of the individual resident's current program.

D) Care plan with specific intervention to address identified resident's needs with measurable objectives.

E) Resident's response to care plan is documented in the clinical record monthly by staff responsible for the program.

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Section 147.TABLE D(f)(1) (continued)

- F) QHP is monitoring psychosocial program as evidenced by signing off on the assessment and response notes, with written recommendations as appropriate in the clinical record.
- G) Attendance sheets for scheduled 1:1 and group sessions.
- H) Program plan for scheduled 1:1 and group sessions.
- I) Episodic intervention and response to intervention is documented in the clinical record every other week.
- 2) Need Not Met
- A) Resident is not meeting goal(s) established by QHP or staff responsible for the program. Progress notes or care plan does not indicate staff is addressing the lack of progress.
- B) Care plan is not adhered to. The resident attended less than 85% of these sessions in the last three months and the clinical record does not indicate resident absence was due to illness or absence from the facility.
- C) Groups are larger than eight.
- D) Group programs or 1:1 have no program plan.
- E) Groups or 1:1 counseling meet less than three times a week.
- F) Documentation of resident's response to intervention is not in the clinical record every month for 1:1 and groups by staff monitoring the program.
- G) QHP is not monitoring psychosocial program as evidenced by absence of signing off on assessment and response notes and there are no written recommendations, as appropriate in the clinical record.
- H) Episodic intervention and resident response to the intervention is not documented every other week in the clinical record.
- I) The assessment for episodic behavior does not include the duration, intensity and frequency of behavior or the precipitating factors and consequences.

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NOTICE OF PROPOSED AMENDMENTS

Section 147.TABLE D(f) (continued)

3) Agency Note

- A) Prior to a resident program being given credit for psychosocial/mental status, the following must be met: An assessment should be completed identifying the resident's current psychosocial status. The assessment should state what the resident is able to do independently and what assistance is required and what makes it necessary. A definite base must be established so that anyone reading the assessment and progress notes can tell whether the individual has progressed or regressed. For episodic intervention, an assessment must include duration, intensity and frequency of behavior. The assessment for episodic behavior must also include precipitating factors and consequences. A reassessment is conducted as indicated in the initial plan. A reassessment must be conducted at least every 90 days but can be conducted as frequently as needed based on outcome and response. A program must be reflected in the resident's care plan. Staff carries out the program as indicated by the plan and records such in the clinical record at least monthly. The program is reviewed at the time of the care plan meeting by the interdisciplinary team. ~~{The care plan review is required by 42-CFR-483.20-{1990}}~~.
- B) Psychosocial assessments and program plans must be completed by staff and signed off on by a QHP who has a working knowledge of the current psychosocial programs being implemented with the individual resident.
- C) Interview questions to the staff assessing and implementing programs would include, but are not limited to, the following:
- i) What program(s) is the resident on?
 - ii) Why is the resident in the program?
 - iii) What is the resident's goal(s)?
 - iv) What is your responsibility in implementing this program (interventions)?
 - v) What is the resident's response to the intervention?
 - vi) If the goal is not achieved, what modifications have

NOTICE OF PROPOSED AMENDMENTS

Section 147. TABLE D(f)(3)(C)(vi) (continued)

been made?

- D) If counseling occurs in groups, individuals must have similar problems and goals.
- E) Progress should be noted by objective documentation indicating an increase in functional capability and/or decrease in maladaptive behavior. These measurable objectives and goals should be clearly indicated on the resident's care plan.
- F) Programs consisting solely of episodic intervention should be reserved for resident with severe behavior problems that preclude participation in more structured programs.
- G) The care plan must be interdisciplinary with approaches as appropriate to the individual resident's need.

g) Category 7 - Communication

1) Functional Area

1)A) Verification of Level of Service

A) Assessment.

B) Monthly response documented and cosigned by qualified health professional.

C) Interventions developed and implemented by the interdisciplinary team.

D) Interdisciplinary care plan interventions.

E) Observation of interventions performed.

2) Need Not Met

A) Staff not carrying out interventions as defined in interdisciplinary care plan.

B) Clinical record does not indicate resident response to intervention monthly by qualified health professional cosignature.

3) Agency Note

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Section 147. TABLE D(g)(2)(C) (continued)

A) Approved appliances and assistive devices, including application and care of the appliance, are covered in the appliance category.

B) Interventions must have a comprehensive, seven day a week philosophy and must be implemented at each opportunity on a daily basis.

C) Interventions must be monitored by interdisciplinary team.

D) Staff should receive in-service training, as required.

E) Interventions must be conducted on an individual resident basis.

2) Speech Therapy

A) Verification of Level of Service

i) Observation of treatment and monthly therapist review documentation. This review documentation must indicate progress.

ii) Assessment.

iii) Speech Pathologist's or Audiologist's treatment notes.

iv) Monthly reevaluation by the certified speech-language pathologist/audiologist.

v) Physician Order

B) Need Not Met

i) Plan is not implemented as specified by the therapist.

ii) Goals are not designed to increase resident's functional capabilities.

iii) Resident is not meeting goal(s) and clinical record does not indicate staff is addressing lack of progress.

C) Agency Note

i) Speech Language Pathology and Audiology Rehabilitative

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Section 147.TABLE D(g)(2)(C)(i) (continued)

Program shall be planned and designed specifically for the resident by a certified speech-language pathologist/audiologist or Clinical Fellow.

- ii) Progress must be noted by standard speech therapist/audiologist objective measures.
- iii) Measurable goals must be designed to increase resident's functional means of communication and/or ability to swallow.
- iv) Treatment sessions should be one-on-one; however, groups of two are acceptable if residents' goals and functional levels are similar.
- v) Refer to 147.Table K for Speech Language Pathology/Audiology Rehabilitative Services Measurement of Progress.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 147.TABLE E Service

a) Category 1 - Appliances

1) Verification of Level of Service

- A) Physician order
- B) Care plan or Kardex
- C) Documentation must include:
 - i) Type of appliance;
 - ii) When to apply; and
 - iii) Care/maintenance.

- D) Observation of resident wearing appliance and indication that staff assists either with application and/or cleaning or maintenance.

2) Need Not Met

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Section 147.TABLE E(a)(2) (continued)

- A) Physician has ordered appliance and facility has not complied with physician order.
- B) Appliance is not in use as indicated by observation.
- C) Appliance does not fit properly.
- D) Appliance is dirty.
- E) Appliance is nonfunctional and clinical record does not indicate date of dysfunction or plans for correction.

3) Agency Note

No physician order necessary for appliances resident has on admission, i.e., eyeglasses, dentures.

b) Category 2 - Catheterization

1) Verification of Level of Service

- A) Physician order
- B) Care plan or flowsheet or Kardex.
- C) Observation of resident noting type of catheter.
- D) Documentation must include:
 - i) Type of catheter;
 - ii) Care and maintenance;
 - iii) Frequency of intermittent catheterization; and
 - iv) Output for indwelling catheter.

2) Need Not Met

- A) Facility does not have protocols for catheterization and catheter care.
- B) Facility not following its own protocol or physician order for catheterization, catheter care or I & O.

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Section 147. TABLE E(b)(2) (continued)

Section 147. TABLE E(c)(2) (continued)

- C) Signs of inflammation at insertion site or penile irritation from Texas catheter without clinical record reflecting date of observation; plan of care indicated.
- D) Tubing and/or bag improperly positioned and/or maintained.
- E) Urine sedimentation or urine not clear and clinical record does not indicate observation and subsequent plan of action.
- F) Catheterization rendered by nonlicensed personnel.

3) Agency Note

- A) Protocol must address when intake or output is required.
- B) Protocol must address infection control.
- C) Intermittent catheterization means daily catheterization.
- D) Urine sedimentation would include blood, mucus and/or other matter.
- F) Leg bags can be applied by CNA trained in process when allowed by facility protocol.

G) Facility protocol should address:

- i) Ongoing inservice education of direct care staff; and
- ii) Ongoing monitoring of technique of direct care staff.

c) Category 3 - Pressure Ulcer Treatment

1) Verification of Level of Service

A) Physician's order

B) Care plan or Treatment Plan

C) Observation of pressure ulcer

2) Need Not Met

- A) Resident has a pressure ulcer and the facility is not addressing with treatment or preventative program.

- B) Clinical record does not reflect current wound status.
- C) Specific treatment plan not being followed.
- D) Treatment not implemented by licensed personnel.
- E) Facility does not have or follow protocol for pressure ulcer management including notification of physician when pressure ulcer develops or when change in pressure ulcer occurs. Management program must include a resident assessment which addresses the following points:

- i) Turning and positioning;
- ii) Nutritional support;
- iii) Nutritional assessment;
- iv) ROM;
- v) Supportive devices; and
- vi) Infection control.

3) Agency Note

A) Staging of pressure ulcers:

- i) Stage I - A persistent area of skin redness (without a break in the skin) that does not disappear when pressure is relieved.
- ii) Stage II - A partial thickness loss of skin layers that presents clinically as an abrasion, blister or shallow crater.
- iii) Stage III - A full thickness of skin is lost, exposing the subcutaneous tissues, presents as a deep crater with or without undermining adjacent tissue.

- iv) Stage IV - A full thickness of skin and subcutaneous tissue is lost, exposing muscle and/or bone.

- B) A Stage I pressure ulcer can be suspected if a reddened area does not disappear 30 minutes after pressure is relieved.

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Section 147.TABLE E(c)(3) (continued)

Section 147.TABLE E(d)(3) (continued)

- C) The skin of a Stage II ulcer may appear bluish or dusky in color.
- D) Conditions that may be confused with pressure ulcers: stasis ulcers; vasculitic ulcers; amputation stump breakdown; other open skin lesions such as basal cell carcinomas, burns, etc.; skin rashes, including diaper rash; and fungal infections.
- E) Score PROM, if it is being carried out according to the guidelines under PROM.
- F) Admission or risk assessment must indicate where pressure ulcer developed.

d) Category 4 - Pressure Ulcer Prevention

1) Verification of Level of Service

- A) Assessment to indicate level of risk and reassessment per preventative plan.
- B) Preventative plan is in care plan.
- C) Observation of the resident to verify that the preventative plan is being carried out.

2) Need Not Met

- A) Individualized pressure ulcer preventative plan is not in care plan.
- B) Skin is not intact or signs of breakdown are present and the clinical record does not indicate observation and subsequent change of treatment plan.
- C) Preventative treatment plan not implemented.
- D) Facility is not following pressure ulcer preventative policy and procedures.
- E) Frequency of reassessments must be at least every 90 days, or more frequently if condition changes.

3) Agency Note

- A) Preventative plan must address:
 - i) Frequency of observations of skin condition and documentation in the clinical record; and
 - ii) Which type of staff should provide this care.
- B) Assessment instruments must be standardized and must differentiate between moderate and high risk.
- C) Score PROM if it is being carried out according to the guidelines under PROM.
- D) If an individualized preventative plan is in question, refer to team physician.

e) Category 5 - Wound Care

1) Verification of Level of Service

- A) Physician's order
- B) Treatment plan, care plan, Kardex or treatment sheet.
- C) Observation of wound and treatment being given.

2) Need Not Met

- A) Treatment not implemented using aseptic technique or as indicated in physician's order.
- B) Care not performed by licensed personnel.
- C) Wound present with no indication facility staff is aware of wound.
- D) Clinical record does not reflect current status of the wound.
- E) Physician is not notified of wound or change in wound status.
- F) Frequency of the documentation and observation of the wound status is not addressed in the individual treatment plan.

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Section 147.TABLE E(e)(2) (continued)

- G) No facility policy and procedure for wound care, including infection control.
- H) Infection control procedures not followed as per facility policy.
- 3) Agency Note
 - A) Wound care (treatment of skin lesion, other than a pressure ulcer) may include wet packs, soaks, whirlpools for open lesions, or ointments when ordered by a physician and applied to lesions.
 - B) "Friction burns" or abrasions resulting from repetitive friction are included in this category as are stasis ulcers, rashes, skin tears.
 - C) Frequency of the documentation and observation of the wound status must be addressed in treatment plan until the wound is healed.
- f) Category 6 - Injections
 - 1) Verification of Level of Service
 - A) Physician order
 - B) Nurse's signature or initials must follow documentation of administration of injection.
 - 2) Need Not Met
 - A) Facility not following physician order.
 - B) Injection site not documented or injection not documented as given.
 - C) Injection site not free of signs of inflammation/irritation and the clinical record does not reflect this observation and there is no subsequent plan of action.
 - D) Injection site not rotated according to facility protocol or facility has no protocol for rotation of injection sites.
 - 3) Agency Note

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Section 147.TABLE E(f)(3) (continued)

- A) Yearly injections not included, i.e., flu shots, mantoux, etc.
- B) Credit is given for all other injections if the service is received within the last six months.
- g) Category 7 - Intravenous Therapy: I.V.s and Clysis
 - 1) Verification of Level of Service
 - A) Physician's order
 - B) Nurse's signature or initials on medication or treatment record.
 - 2) Need Not Met
 - A) Insertion site not free of inflammation and the clinical record does not reflect this observation and a subsequent plan of care.
 - B) I.V. tubing and dressing changes not done in accordance with facility's protocol.
 - C) Facility does not have protocols for I.V.s or clysis.
 - D) Facility does not follow it's own protocol on I.V.s or clysis.
 - E) I.V. fluids or medications not documented as given per physician orders.
 - F) Intake and output not recorded and monitored while on I.V. therapy.
 - 3) Agency Note
 - A) If I.V. is for hydration purposes, the clinical record should include documentation as to p.o. hydration attempts and resident's poor response.
 - B) Credit is to be given for I.V.s or clysis if the service was received within the last six months.
 - C) Hickman Catheter, Groshong Catheter and heparin locks are included in this category.

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Section 147.TABLE E (continued)

h) Category 8 - Laboratory-Specimen Service

- 1) Verification of Level of Service
 - A) Physician order.
 - B) Documentation that specimen was obtained by staff.
 - C) Lab results conveyed to physician according to facility protocol.
- 2) Need Not Met
 - A) Specimen not collected at specified times.
 - B) Facility has no lab protocol.
 - C) Staff does not adhere to facility's protocol for subsequent actions following receipt of laboratory report.
 - D) Physician orders lab and facility does not complete.
 - E) Site from which specimen is drawn not rotated according to facility protocol or facility has no protocol for rotation of sites.
- 3) Agency Note
 - A) Protocol should address:
 - i) Level of staff who will collect each type of specimen;
 - ii) How specimens should be stored prior to testing;
 - iii) How licensed staff is informed of results of lab specimens collected by unlicensed staff; and
 - iv) How licensed staff document action taken with specimen results.
 - B) Routine voided specimens are scored here.
 - C) A physician referral should be made when a case manager questions whether lab work is necessary.

i) Category 9 - Medications/Medication Monitoring

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Section 147.TABLE E(i) (continued)

1) Verification of Level of Service

- A) Physician order
 - B) Nurse's signature or initials on the medication record following administration of medicine.
 - C) Monthly documentation of pharmacist's review.
 - D) Assessment/reassessment at least every 90 days with program noted on care plan (Level 2 only).
 - E) Monthly documentation of resident response to self-medication program or psychotropic drug program by licensed nursing staff (Level 2 only).
- 2) Need Not Met
 - A) Facility does not have a protocol for self-medication or psychotropic drug management.
 - B) Facility has not established medication protocol.
 - C) Facility does not follow medication protocol as established.
 - D) PRN medication given and reason for administration and response is not documented.
 - E) Clinical record does not indicate resident's allergy, if applicable.
 - F) Resident not given adequate hydration following ingestion of medications unless medications given with solids.
 - G) Medication not documented as given and no documentation of reason medication was withheld held.
 - H) Medication not given within one (1) hour of scheduled time.
 - I) Medication monitoring is not consistent.
 - J) Medicated patches and topical medications are not rotated.

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Section 147. TABLE F(i)(2) (continued)

Section 147. TABLE E(i)(3)(E) (continued)

- K) On comprehensive assessment, the resident indicated a preference for self-medication (documented in clinical record) but the staff did not place the resident in a program for self-medication or self-medication training and the clinical record does not reflect the interdisciplinary team's reason for denial of self-medication (Level 2 only).
- L) Resident is self-medicating or on a training program for self-medication. Clinical record does not reflect monthly documentation of resident response to program; OR medication is not stored properly; OR medications are not documented as self-administered on medication administration record (Level 2 only).
- M) Not following program plan as indicated on care plan (Level 2 only).
- N) Not following protocol for self-medication administration (Level 2 only).
- O) Not following protocol for psychotropic management program (Level 2 only).
- P) No monthly note by licensed nurse for self-medication or psychotropic drug management program (Level 2 only).
- 3) Agency Notes
- A) While there is no specific time limit on the duration of med monitoring, there must be evidence that the resident has not stabilized.
- B) Medications are scored the day of the survey unless a routine pattern has been established, i.e., every three days or every other day.
- C) Monitoring for injections is covered under the injections category.
- D) If the case manager wants verification from team physician as to whether special monitoring is necessary, mark physician referral.
- E) Example of "off hours or by multiple routes":

- i) Oral medication given at 10 a.m., 3 p.m., 7 p.m., and 11 p.m.;
- ii) Eye drops administered in left eye in the morning, in addition to oral medications; and
- iii) Application of topical medications, i.e., nitro pads, nitro paste, estrogen patches, etc., or the use of an oral inhaler, i.e., Provental, Alupent, Aerobid, etc.
- F) If resident is now free of psychotropic drugs as a result of the drug reduction program, he/she may continue to be scored a Level 2. The monthly progress note should address symptoms/alternate behavior interventions as well as resident response to the program.
- G) Credit should be given on Level 2 for self-medication when the program includes teaching the steps which lead to increased resident independent with regard to medications, i.e., the resident knowing the times of different medications, identifying the correct medication by sight and by purpose or name, knowing side effects to report to the doctor or nurse, physically taking the medication, etc.
- H) Psychotropic medications shall not be administered for purposes of discipline or staff convenience and when not required to treat the resident's medical symptoms.
- I) To qualify for a psychotropic drug program (Level 2), at least the following elements must be in place:
- i) Annual assessment with quarterly assessment reviews to reexamine need for dosage and type of medications to be given.
- ii) Care plan goals/approaches which include behavioral programming and dose reduction. Behavioral programming means modification of the resident's behavior and/or the resident's environment, including staff approaches to care, to the largest degree possible to accommodate the resident's behavioral disturbances.
- iii) Quarterly care plan review to determine if modifications are necessary.

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Section 147.TABLE E(i)(3)(I) (continued)

- iv) Monthly review by pharmacist to look at resident response to the medications to detect problems, i.e., excessive PRN usage, demonstration of side effects, nontherapeutic blood levels, etc., and report such to DON and/or physician.
- v) Ongoing observation and at least monthly documentation of resident reaction to medication(s) including possible side effects or other problems by licensed nursing staff.
- J) Not all psychotropic medications are appropriate for dose reduction or behavioral programming and, therefore, would not qualify for scoring under Level 2.
- K) A plan for increased independence in self-medication must be developed on all medications a resident receives; however, a resident does not have to demonstrate successful self-medicating progress for all medications prescribed in order to receive credit for Level 2.
- L) Credit for Level 2 self-medication is also given for any resident who has successfully learned to self-medicate (with nurse monitoring) or who has successfully learned steps toward increased independence in the area of medication and is maintained at that level. Resident continues to be assessed for increased independence and a monthly documentation indicates the resident response. Eye drops, antacids, etc., can be included under self-medication if prescribed by a physician and not given on PRN basis.
- M) Resident may receive credit on both Level 2 medication and for psychosocial programming.
- N) The facility must employ or obtain the services of a licensed pharmacist who provides consultation on all aspects of pharmacy services in the facility.
- O) The drug regimen of each resident must be reviewed at least once a month by a licensed pharmacist who must report any irregularities to the attending physician and the director of nursing and these reports must be acted upon.
- P) Facility protocol for psychotropic drug programs should include, but is not limited to, graduated dose reduction

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Section 147.TABLE E(i)(3)(P) (continued)

and behavioral programming, unless clinically contraindicated, in an effort to discontinue these drugs.

- Q) Commonly prescribed psychotropic drugs:

Table A. Antipsychotic (Neuroleptic) Drugs

Generic Name	Brand Name
Chlorpromazine	Thorazine
Promazine	Sparine
Triflupromazine	Vesprin
Thioridazine	Mellaril
Mesoridazine	Sereniti
Acetophenazine	Tindal
Perphenazine	Trilafon
Loxapine	Loxitane
Molindone	Moban
Trifluoperazine	Stelazine
Thiothixene	Navane
Fluphenazine	Prolixin, Permitil
Fluphenazine Deconate	Prolixin Deconate
Haloperidol	Haldol
Haloperidol Deconate	Haldol Deconate
Droperidol	Inapsine
Chlorprothixene	Taractan
Pimozide	Orap

Table B. Antidepressant Drugs

Generic Name	Brand Name
CYCLIC ANTIDEPRESSANT	
Imipramine	Tofranil
Desipramine	Norpramin
Doxepin	Adapin, Sinequan
Amitriptyline	Elavil, Triavil
Nortriptyline	Aventyl, Pamelor
Amoxapine*	Asendin
Maprotiline	Ludiomil
Fluoxetine	Prozac
TRIAZOLOPYRIDINE ANTIDEPRESSANT	
Trazodone	Desyrel
MAO INHIBITORS+	
Phenelzine	Nardil
Tranylcypromine	Parnate
PHENYLAMINOKETONE	
Bupropion	Wellbutrin

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Section 147. TABLE E(i)(3)(Q) (continued)

* Also a neuroleptic drug with all the neuroleptic side effects.

* Special diet required; many drug interactions.

Table C. Antianxiety and Hypnotic Drugs

Generic Name	Brand Name
BENZODIAZEPINES	
Oxazepam	Serax
Lorazepam	Ativan
Alprazolam	Xanax
Chlorodiazepoxide	Librium
Diazepam	Valium
Chlorazepate	Tranxene
Flurazepam	Dalmane
BARBITURATES	
ANTIHISTAMINES	
Hydroxyzine	Vistaril
OTHER	
Buspirone	Buspar

Table D. Antimanic

Generic Name	Brand Name
Lithium Carbonate	Eskalith
	Lithonate
	Lithane
	Lithotabs
	Lithobid (slow release)
Lithium Citrate	Eskalith CR (controlled release)
	Cibalith-S

Serum lithium determinations recommended once or twice weekly during treatment of acute manic episode until serum concentrations and patient's clinical condition have stabilized; recommended at least every 2 to 3 months during remission when patient is stabilized.

Table E. Antipsychotics should not be used if one or more of the following is/are the only indication(s):

- * Wandering
- * Simple pacing

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Section 147. TABLE E(i)(3)(Q)(Table E) (continued)

- * Crying out, yelling or screaming if such behaviors do not cause an impairment in functional capacity or if they are not quantitatively documented by the facility
- * Poor self care
- * Restlessness
- * Impaired memory
- * Anxiety
- * Depression
- * Insomnia
- * Unsociability
- * Indifference to surroundings
- * Fidgeting
- * Nervousness
- * Uncooperativeness
- * PRN use greater than 5 doses in a seven day period without a review of the resident's condition by a physician
- * Unspecified agitation

R) Psychotropic drugs refer to drugs which are used for antipsychotic, antidepressant, antimanic, sedative-hypnotic and/or antianxiety purposes and which are intended to control mood, mental status or behavior of the resident.

j) Category 10 - Occupational Therapy and Related Rehabilitative Services

1) Verification of Level of Service

- A) Physician order
- B) Assessment and program planned by the therapist OTR/L.
- C) Observation of COTA/L-of rehabilitation aide conducting therapy sessions (Level 1 only).
- D) Monthly review of progress documented by the OTR/L or, if written by the COTA/L rehabilitation aide, reviewed and co-signed by the OTR/L.
- E) Assessment every 90 days.
- F) Corresponding ADL or psychosocial (for MI diagnosis) program has been developed and implemented (Level 1 only).

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Section 147. TABLE E(j)(1) (continued)

G) Observation of COTA/L conducting therapy sessions (Level 2 only). Observation of OTR/L conducting therapy sessions (Level 3 only).

2) Need Not Met

- A) When-plan Plan is not implemented as specified by the therapist.
- B) Goals are not designed to increase resident's functional capabilities.
- C) Resident is not meeting goal(s) and clinical record does not indicate staff is addressing lack of progress.
- D) Resident attended less than 85% of the scheduled sessions in the last three months or since the service began, if less than three months, and clinical record does not indicate resident absenteeism was due to illness or absence from the facility (Level 1 only).
- E) Rehab aide is not a CNA or equivalent. Rehab aide has not received specified training, or has not been enrolled in a rehabilitation course as outlined and approved by IDPA within 90 days of the beginning date of employment in the rehab aide position (Level 1 only).

3) Agency Note

- A) Reimbursement for this item includes assessment done by OTR/L.
- B) The nurse case manager must verify the accuracy of the rehabilitation records by checking the clinical records of at least 25% of the residents in therapy, verifying services were delivered (Level 1 only).
- C) If progress was not made within two months and goals or interventions were not changed, do not score.
- D) Progress should be noted by standard acceptable OTR/L objective measures.
- E) Staffing ratios for rehabilitation 1:30 (per total enrollment)-98 minutes (Level 1 only). Staffing ratios for

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Section 147. TABLE E(j)(3)(E) (continued)

therapies for OT Level 2 and Level 3 - 1:1.5 (per 98 minutes).

- F) Rehabilitation groups are limited to four residents with similar goals and levels of functioning (Level 1 only).
- G) Prior to a resident being given credit in occupational rehabilitative services, the following must be met (Level 1 only):
 - i) A corresponding ADL restorative program must be developed to increase the resident's functional ability and it must be carried out by the nursing department. The resident's response to the intervention must be recorded in the clinical record.
 - ii) The occupational rehabilitation aide must be a certified nurse's aide, or have a related degree, or two years of college in a related field, or an approved 36 hour activity course and has received specified training as outlined and approved by the Department of Public Aid.
 - iii) For residents with a diagnosis of mental illness, if occupational rehabilitation is scored, a psychosocial and/or a corresponding ADL program must have been developed and scored.
- H) Use of Paraffin Heat Treatments, Fluido Therapy, whirlpool may be scored when ordered by physician and carried out (Level 2 or 3 only).
- I) Refer to 147. Table K for Occupational Therapy and Related Rehabilitative Services Measurement of Progress.
- k) Category 11 - Physical Therapy and Related Rehabilitation Services
 - 1) Verification of Level of Service
 - A) Physician order (Level 1 and 2 only).
 - B) Assessment and program planned by the therapist.
 - C) Observation of PFA-ef rehabilitation aide conducting therapy sessions (Level 1 only).

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Section 147. TABLE E(k)(1) (continued)

- D) Monthly review progress documented by the PT or, if written by the PTA rehabilitation aide, reviewed and co-signed by the PT.
- E) Assessment every 90 days.
- F) Corresponding ADL program or psychosocial (for MI diagnosis) program has been developed and implemented (Level 1 only).
- G) Observation of PTA conducting therapy sessions (Level 2 only). Observation of PT conducting therapy sessions (Level 3 only).
- 2) Need Not Met
- A) When-plan Plan is not implemented as specified by the therapist.
- B) Goals are not designed to increase resident's functional capabilities.
- C) Resident is not meeting goal(s) and clinical record does not indicate staff is addressing lack of progress.
- D) Resident attended less than 85% of the scheduled sessions in the last three months or since the service began, if less than three months, and clinical record does not indicate resident absenteeism was due to illness or absence from the facility (Level 1 only).
- E) Rehab aide is not a CNA or equivalent. Rehab aide has not received specified training, or has not been enrolled in a rehabilitation course as outlined and approved by IDPA within 90 days of the beginning date of employment in the rehab aide position (Level 1 only).
- 3) Agency Note
- A) Reimbursement for this item includes assessment done by registered PT.
- B) The nurse case manager must verify the accuracy of the rehabilitation records by checking the clinical records of

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Section 147. TABLE E(k)(3)(B) (continued)

- at least 25% of the residents in therapy, verifying services were delivered (Level 1 only).
- C) If progress was not made within two months and goals or interventions were not changed, do not score.
- D) Progress should be noted by standard acceptable PT objective measures.
- E) Staffing ratios for rehabilitation 1:30 (per total enrollment)-98 minutes (Level 1 only). Staffing ratios for therapies for PT Level 2 and Level 3 - 1:1.5 (per 98 minutes).
- F) Rehabilitation groups are limited to four residents with similar goals and levels of functioning (Level 1 only).
- G) Prior to a resident being given credit in physical rehabilitation services, the following must be met (Level 1 only):
- i) A corresponding ADL restorative program must be developed to increase the resident's functional ability and it must be carried out by the nursing department. The resident's response to the intervention must be recorded in the clinical record.
 - ii) The physical rehabilitation aide must be a certified nurse aide, or have completed at least one year of nurses training and have received specified training as outlined and approved by the Illinois Department of Public Aid.
 - iii) For residents with a diagnosis of mental illness, if physical rehabilitation is scored, a psychosocial and/or a corresponding ADL program must have been developed and scored.
- H) Refer to 147. Table K for Physical Therapy and Rehabilitative Services Measurement of Progress.
- I) Category 12 - Passive Range of Motion (PROM)
- 1) Verification of Level of Service
- A) Care plan or Treatment Sheet.

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Section 147.TABLE E(1)(1) (continued)

- B) Observation of resident to determine overall ability to use extremities.
 - C) Observation of staff actually performing PROM and indication that plan is carried out regularly and routinely.
 - D) Residents with existing contractures must have physician's orders although PROM for most residents does not require a physician's order.
 - E) Monthly documentation of resident's response to intervention in clinical record. Documentation may be done by the staff providing the service.
- 2) Need Not Met
- A) Facility has no PROM protocol.
 - B) The plan as indicated on the care plan or Treatment Sheet is not being implemented and documented.
 - C) Documentation of resident's response to intervention is not documented in clinical record at least monthly.
 - D) Resident has contractures or is at risk of developing contractures that are not being addressed.
- 3) Agency Note
- A) PROM that is also part of a pressure ulcer treatment and/or prevention program will be scored in both places.
 - B) The required documentation should reflect the resident's response to treatment, i.e., resident is able to raise arm shoulder level; the resident remains contracture free.
 - C) PROM protocol must address:
 - i) On-going inservice education of direct care staff; and
 - ii) On-going monitoring of PROM technique of direct care staff.
 - D) CNA may document response to PROM if cosigned by licensed staff.

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Section 147.TABLE E (continued)

- m) Category 13 - Ostomy Care
 - 1) Verification of Level of Service
 - A) Physician order
 - B) Observation of ostomy care and a review of the treatment plan.
 - 2) Need Not Met
 - A) Facility does not have protocol for ostomy care.
 - B) Staff does not adhere to physician's orders or facility's protocol and written procedures for ostomy care and maintenance.
 - C) Excoriation observed with no indication in the clinical record and the plan of care is not altered.
 - D) Care not performed by licensed personnel, other than routine change of colostomy bag.
- 3) Agency Note
 - A) Colostomy bag can be changed by a CNA trained in ostomy care when allowed by facility protocol (Level 1 only).
 - B) Facility protocol should address:
 - i) Ongoing inservice education of direct care staff; and
 - ii) Ongoing monitoring of technique of direct care staff.
- n) Category 14 - Respiratory Therapy
 - 1) Verification of Level of Service
 - A) Physician order must include: delivery system, oxygen flow rate and/or frequency of IPPB treatments, postural drainage, percussion and/or vibration and use of suctioning in conjunction with these therapies, if indicated.
 - B) Observation of therapy.

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Section 147.TABLE E(n)(1) (continued)

- C) Documentation of procedure and results by licensed staff (Level 2).
- D) Monthly progress note by licensed staff (Level 2).
- 2) Need Not Met
- A) Facility does not have protocol for respiratory therapy.
- B) Respiratory therapy protocol is not being followed.
- C) Treatment is ordered, but not carried out as specified.
- D) Equipment soiled and/or nonfunctional or not available.
- E) Respiratory therapy not performed by licensed staff (Level 2).
- F) No monthly progress note by licensed staff (Level 2).
- 3) Agency Note
- A) Level 1 resident is capable of administering own therapy.
- B) Level 2 resident is totally dependent upon licensed staff for administration.
- C) Protocol should address:
 - i) Which staff provide which type service;
 - ii) Infection control procedures;
 - iii) Staff training required to carry out these services; and
 - iv) Frequency for assessment of respiratory status should be recorded in the clinical record.
 - v) Conditions or diagnoses which are indications and contraindications for the use of postural drainage, percussion and vibration.
- D) Intensity code scoring is to reflect current level of needs.

NOTICE OF PROPOSED AMENDMENTS

Section 147.TABLE E(n)(3) (continued)

- E) Licensed personnel who carry out postural drainage, percussion and vibration shall have ongoing in service training by a respiratory therapist.
- F) The use of postural drainage, percussion and vibration is restricted to those residents who produce 30cc or more of secretions daily.
- G) A physician's order for postural drainage, percussion and vibration can be for a maximum of 30 days. The physician is then required to reevaluate the resident before a new order is written.
- H) Suctioning which is done in conjunction with postural drainage, percussion and vibration is not to be scored under the suctioning category.
- I) The care plan for residents who are in a program of postural drainage, percussion and vibration must include a pulmonary hygiene program which includes, but is not limited to, the following:
 - i) Hydration
 - ii) Nutrition
 - iii) Rest
 - iv) Absence of environmental pollutants.
- o) Category 15 - Suctioning
 - 1) Verification of Level of Service
 - A) Physician order.
 - B) Observe treatment.
 - 2) Need Not Met
 - A) Facility does not have protocol for suctioning.
 - B) Staff does not follow facility protocol.
 - C) Care not performed by licensed personnel.

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Section 147.TABLE E(o)(2) (continued)

- D) Equipment soiled and/or nonfunctional and/or not readily available.
- 3) Agency Note
- A) Facility's protocol should address guidelines for maintaining sterility and/or cleanliness of catheters.
- B) Suctioning done during tracheostomy care is included as part of tracheostomy care. Additional suctioning must be done at other times to be scored here.
- C) Review last 30 days documentation to score this section.
- D) Suctioning done in conjunction with postural drainage, percussion and vibration is not to be scored under the suctioning category.
- p) Category 16 - Tracheostomy Care
- 1) Verification of Level of Service
Physician order.
- 2) Need Not Met
- A) Facility has no tracheostomy care protocol.
- B) Staff does not follow physician's order or facility's protocol for tracheostomy care.
- C) Care not performed by licensed personnel.
- D) An extra tracheostomy tube, the same size as the one in place, is not available at the bedside.
- E) Tracheostomy care is not documented.
- F) Equipment soiled and/or nonfunctional and/or not readily available.
- 3) Agency Note
- A) Protocol should address:

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Section 147.TABLE E(p)(3)(A) (continued)

- i) Training licensed staff must have prior to providing this service;
- ii) Guidelines for infection control;
- iii) Frequency for observations of ostomy site and respiratory status should be recorded in the clinical record; and
- iv) Guidelines for maintaining sterility and/or cleanliness of catheters.
- B) Only suctioning done during tracheostomy care is scored here.
- q) Category 17 - Discharge Planning
- 1) Verification of Level of Service
- A) Care plan.
- B) Indication plan is being followed.
- 2) Need Not Met
- Plan not being followed.
- 3) Agency Note
- A) Discharge must be to less restrictive environment, i.e., shelter care, room and board or independent living arrangements and anticipated within three (3) months.
- B) Credit may be given for discharge planning if the service was received within the last six (6) months.
- r) Category 18 - Health & Fitness Program
- 1) Verification of Level of Service
- A) Fitness card
- B) Observation of program to see that the plan is being carried out as written on the fitness card.

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Section 147. TABLE E(r) (continued)

Section 147. TABLE E(s)(1) (continued)

2) Need Not Met

- A) Health and Fitness program developed by unlicensed staff.
- B) Plan not carried out.
- C) Equipment required to carry out fitness program, as required on the fitness card, is soiled and/or nonfunctioning, or is not available.
- D) The resident's response to intervention is not documented in the clinical record once a month.
- E) Groups are larger than six (6) unless activity is a team sport.

3) Agency Note

- A) The program may also be developed by an Occupational Therapist, Physical Therapist, Certified Therapeutic Recreation Specialist, a Physician or Physiatrist.
- B) Do not score when resident does not carry out fitness program an average of three (3) times per week.
- C) Activity programs including exercises must be separate and apart from health and fitness.
- D) Fitness programs must address all extremities, unless contraindicated.
- E) Unlicensed staff may document response to Health and Fitness Program if assigned by licensed staff.

s) Category 19 - Restraint Management and Reduction

1) Verification of Level of Service

- A) Physician order
- B) Assessment/reassessment at least every 90 days with program noted on care plan
- C) Observation of resident

- D) Monthly documentation of resident response assigned by licensed staff

2) Need Not Met

- A) A resident is physically restrained and there is no documentation of consultation with appropriate health professionals, such as physician, occupational therapist, physical therapist or rehabilitation certified registered nurse, in the use of less restrictive supportive devices or methods.
- B) Protocol not developed for restraint reduction and restraint management.
- C) The resident is physically restrained and there is no documentation of consultation and agreement by the resident, family, if appropriate, guardian or legal representative to the use of restraints.
- D) A resident is physically restrained and there is no assessment/documentation to justify restraint.
- E) The restrained resident is not released at least every two hours for at least ten minutes, repositioned and exercised and/or ambulated and/or toileted and/or checked for skin redness and/or given nutrition/hydration as required.
- F) Restraints are not applied according to physician order.
- G) Resident restrained without physician order.
- H) Restraint reduction program not implemented as specified in care plan.
- I) Resident not meeting goals of the restraint reduction program and the clinical record does not indicate that the staff is addressing the lack of progress.
- J) Resident response to restraint or reduction program is not documented in the clinical record at least monthly, reassessment not completed every 90 days, or not assigned by licensed staff.
- K) Restraint device is not clean, found to be in ill repair, or improperly sized.

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NOTICE OF PROPOSED AMENDMENTS

Section 147.TABLE E(s)(2) (continued)

- L) Restraint device is not properly applied.
- M) Facility not following protocol for care application, maintenance and reduction of each type of restraint used.
- N) A resident placed in restraint is not checked at least every 30 minutes by staff trained in the use of restraints.
- 3) Agency Note
- A) Residents who are free of restraints because of alternative programming are still eligible for scoring on Level 1, providing the quarterly reassessment continues to indicate that the specific staff intervention is needed to maintain the resident free of restraints, the need and intervention is specified in the care plan, and monthly documentation of resident response to intervention continues.
- B) This item cannot be scored and a need not met can be given if:
- i) There is no physician order for the use of a restraint and the resident is restrained; OR
 - ii) The restrained resident is not in a restraint program and the restraint is improperly applied; OR
 - iii) The restrained resident is not in a restraint program and is not released at least every two hours for at least ten minutes, repositioned and exercised and/or ambulated and/or toileted and/or checked for skin redness and/or given nutrition/hydration as required.
- C) The facility must not issue orders for restraint on a standing or as needed basis.
- D) Assessment includes, but is not limited to:
- i) Reason for use of the restraint.
 - ii) Documentation of attempts made in ways of using less restrictive measures and why they were unsuccessful.
 - iii) Address communication needs and functional abilities.
- E) Care plan includes, but is not limited to:

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Section 147.TABLE E(s)(3)(E) (continued)

- i) Alternative interventions used in place of restraints.
 - ii) If restraint must be used, include: reason for use of the restraint; type(s) of restraint used; duration and time of day restraint is used; location of resident when restrained, i.e., own room in bed, chair in hall, etc.; and under what circumstances are restraints being used, i.e., when left alone, after family leaves, when not involved in structured activity, when eating.
 - iii) Address communication needs and functional abilities.
- F) Monthly response note should address functional and mental status of resident before, during and after use of restraints. Documentation of attempts made in ways of using less restrictive measures and why they were unsuccessful.
- G) Physician order should include:
- i) Reason for restraint;
 - ii) Length of time restraint is to be used; and
 - iii) Type of restraint to be used.
- H) A resident should be released from restraints as soon as there is no longer a need.
- I) A resident should not be physically or chemically restrained for the purpose of discipline or staff convenience.
- J) Restraint usage should be periodically reevaluated and efforts to eliminate use of restraint should be attempted and documented in the clinical record. When the restraint usage is reevaluated, the functional status of the resident should be reviewed to ensure that no loss of function has occurred as a result of restraint usage. If a loss of function can be attributed to the use of the restraint, the facility should take prompt action to review restraint use with the physician to discuss alternative treatment.

(Source: Amended at 17 Ill. Reg. _____, effective _____)

Section 147. TABLE G Therapy Services (Repealed)

- a) Category---Speech-Language-Pathology-and-Audiology-(SLP/A) Rehabilitative-Services
- i) Verification-of-Level-of-Service
- A) Observation-of-treatment-and-monthly-therapist-review documentation---This-review-documentation-must-indicate progress.
- B) Assessment.
- C) Speech-Pathologists-of-Audiologists-treatment-notes.
- D) Monthly-Reevaluation.
- 2) Agency-Note
- A) The-nurse-must-verify-the-accuracy-of-this-record-by checking-the-clinical-record-of-25%-of-the-residents-in treatment-verifying-both-that-services-were-delivered-and progress-was-made---If-progress-was-not-made-only-allow two-months-of-treatment.
- B) If-progress-was-made-therapy-can-continue.
- C) Progress-must-be-noted-by-standard-speech therapist/audiologist-objective-measures.
- D) Goals-must-be-designed-to-increase-resident's functional means-of-communication-and/or-ability-to-swallow.
- E) Treatment-sessions-should-be-one-on-one-however-groups-of two-are-acceptable-if-residents'-goals-and-functional levels-are-similar.
- b) Category---Physical-Therapy-and-Related-Rehabilitative-Services
- 1) Verification-of-Level-of-Service
- A) Physical-Therapy
- i) Observation-of-PT-conducting-therapy-sessions.
- ii) Physical-therapist's-(PT)-documentation-of-resident's progress-toward-goals-monthly.

Section 147. TABLE G(b)(1)(A) (continued)

- iii) Assessment-by-PT.
- B) Physical-Therapy-II
- i) Physician-order.
- ii) Physical-therapy-program-planned-by-PT.
- iii) Observation-of-PTA-conducting-therapy-sessions.
- iv) Physical-therapist-assistant-(PTA)-documentation-of-resident's-progress-toward-goals-monthly.
- v) PT-reviews-and-assessments-PTA's-documentation-of-progress-monthly.
- vi) Assessment-by-PT.
- 2) Agency-Note
- A) The-nurse-must-verify-the-accuracy-of-this-record-by checking-the-clinical-records-of-25%-of-the-residents-in therapy-verifying-both-that-services-were-delivered-and progress-was-made---If-progress-was-not-made-only-allow the-length-of-treatments-indicated-below.
- i) PT-1---2-Weeks
- ii) PT-2---3-Weeks
- B) If-progress-was-made-therapy-can-continue.
- C) Progress-should-be-noted-by-standard-acceptable-PT objective.
- D) Staffing-ration-for-therapies-is-PT-1---11.5-(per-98 minutes) and PT-2 11.6 (per 98 minutes).
- a) Category Physical-Therapy-Assessment
- 1) Verification-of-Level-of-Service
- A) PT-written-assessment.
- B) Program-designated-by-PT-to-increase-resident's functional level.

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Section 147. TABLE G(c)(1) (continued)

- C) Therapist's signature on assessment and reassessment.
- D) A reassessment of progress and program as indicated in the restorative program by PT.
- E) Documentation, by the nursing department, in the clinical record of resident's response to the interventions.
- 2) Agency Note
- A) Assessment time is included in minutes allotted for level 1, 2 and 3 therapies.
- B) Assessment time is limited to 28 minutes per resident per month.
- d) Category---Occupational Therapy and Related Rehabilitative Services
- 1) Verification of Level of Service
- A) Occupational Therapy-I
- i) Physician order.
- ii) Observation of OTR/L conducting therapy sessions.
- iii) Occupational therapist registered/licensed (OTR/L) documentation of resident's progress toward goals monthly.
- iv) Assessments by OTR/L.
- B) Occupational Therapy-II
- i) Physician order.
- ii) Occupational therapy program planned by OTR/L.
- iii) Observation of COTA/L conducting therapy sessions.
- iv) Certified occupational therapy assistant/licensed (COTA/L) documentation of resident's progress toward goals monthly.

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Section 147. TABLE G(d)(1)(B) (continued)

- v) OTR/L reviews and assigns COTA/L's documentation of progress monthly.
- vi) Assessment by OTR/L.
- 2) Agency Note
- A) The nurse must verify the accuracy of this record by checking the clinical records of 25% of the residents in therapy, verifying both that services were delivered and progress was made. If progress was not made, only allow the length of treatments as indicated below.
- i) OT-1---2 Weeks
- ii) OT-2---3 Weeks
- B) If progress was made, therapy can continue.
- C) Progress should be noted by standard acceptable objective measures.
- D) Use of Paraffin Heat Treatments, Fluidotherapy, Whirlpool may be scored when ordered by physician and carried out.
- E) Staffing ratios for therapies is OT-1---1.5 (per 98 minutes) and OT-2---11.5 (per 98 minutes).
- e) Category---Occupational Therapy Assessment
- 1) Verification of Level of Service
- A) Physician order.
- B) OTR/L written assessment.
- C) Program designed by resident's functional level.
- D) Therapist's signature on assessment and reassessment.
- E) A reassessment of progress and program as indicated in the restorative program by OTR/L.
- F) Documentation, by the nursing department, in the clinical record of resident's response to the interventions.

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Section 147. TABLE G(e) (continued)

2) Agency-Note

- A) ~~Assessment-time-is-included-in-minutes-allotted-for-level 1, 2 and 3-therapies.~~
- B) ~~Assessment-time-is-limited-to-20-minutes-per-resident-per month.~~

(Source: Amended at 17 Ill. Reg. _____, effective _____)

TREASURER

NOTICE OF PROPOSED RULES

- 1) Heading of the Part: ~~Americans With Disabilities Act Grievance Procedure~~
- 2) Code Citation: 4 Ill. Adm. Code 350
- 3) Section Numbers:
350.110 New section
350.120 New section
350.130 New section
350.140 New section
350.150 New section
350.160 New section
350.170 New section
350.180 New section
- 4) Statutory Authority: Implementing Title II, Subtitle A of the Americans With Disabilities Act of 1990 (42 U.S.C. 12131-12134), and authorized by the State Treasurer Act (Ill. Rev. Stat 1991, ch. 130 par. 17.1) [15 ILCS 505/17.1].
- 5) A complete description of the subjects and issues involved: These rules establish the procedural framework by which individuals can resolve grievances related to discrimination against or accommodation of persons with disabilities.
- 6) Will this proposed rule replace an emergency rule currently in effect? NO
- 7) Does this rulemaking contain an automatic repeal date? NO
- 8) Does this proposed rule contain incorporations by reference? NO
- 9) Are there any other proposed amendments to this part? NO
- 10) Statement of Statewide Policy Objectives: This proposed rule does not create or expand any mandate on any unit of local government.
- 11) Time, place and manner in which interested persons may comment on this proposed rulemaking:
Comments may be directed to:
Matt Berns
Office of the State Treasurer
State of Illinois Center, Suite 15-600
100 West Randolph Street
Chicago, IL 60601
Phone (312) 814-2976.
- 12) Initial Regulatory Flexibility Analysis: These proposed rules do not impact small business.

The full text of the proposed rules begins on the next page:

TREASURER

NOTICE OF PROPOSED RULES

TITLE 4: DISCRIMINATION PROCEDURES
CHAPTER XI: TREASURER

PART 350
AMERICANS WITH DISABILITIES ACT GRIEVANCE PROCEDURE

Section	Purposes
350.110	Definitions
350.120	Procedure
350.130	Designated Coordinator Level
350.140	Review Panel
350.150	Final Level
350.160	Accessibility
350.170	Case-by-Case Resolution
350.180	

AUTHORITY: Implementing Title II, Subtitle A of the Americans With Disabilities Act of 1990 (42 U.S.C. 12131-12134), as specified in Title II regulations (28 CFR 35.107), and authorized by the State Treasurer Act (Ill. Rev. Stat. 1991, ch. 130, par. 17.1) [15 ILCS 505/17.1].

SOURCE: Adopted at 17 Ill. Reg. _____, effective _____.

Section 350.110 Purposes

- a) This Part establishes an Americans With Disabilities Act (ADA) Grievance Procedure (procedure) pursuant to the Americans With Disabilities Act of 1990 (42 U.S.C. 12101 et seq.), and specifically Section 35.107 of the Title II regulations (28 CFR 35.107) requiring that a grievance procedure be established to resolve grievances asserted by qualified individuals with disabilities. Should any individual desire to review the ADA or its regulations to understand the rights, privileges and remedies afforded by it, please contact the Designated Coordinator.
- b) In general, the ADA requires that each program, service and activity offered by the Treasurer, when viewed in its entirety, be readily accessible to and usable by qualified individuals with disabilities.
- c) It is the intent of the Treasurer to foster communication with all individuals requesting ready access to programs, services and activities. The Treasurer encourages supervisors of programs, services and activities to respond to requests for modifications before they become grievances.

Section 350.120 Definitions

"Complainant" is an individual with a disability who files a grievance form provided by the Office in accordance with this Part.

"Designated Coordinator" is the person appointed by the Treasurer to coordinate the Office's efforts to comply with and carry out its responsibilities under Title II of the ADA, including investigation of grievances filed by complainants. The Designated Coordinators for the Office are Simone McNeil and Rhonda Poeschel. Ms. McNeil can be contacted at Suite 15-600, State of Illinois Center, Chicago IL 60601 or by telephone at (312)814-3571 and Ms. Poeschel can be contacted at 300 West Jefferson, Springfield IL 62702 or by telephone at (217)782-6540.

"Disability" means, with respect to an individual, a physical or mental impairment that substantially limits one or more of the major life activities of such individual; a record of such impairment; or being regarded as having such an impairment.

"Grievance" is any complaint under the ADA by an individual with a disability who meets the essential eligibility requirements for participation in or receipt of the benefits of a program, activity or services offered by the Office, and who believes he or she has been excluded from participation in or denied the benefits of any program, service or activity of the office, or has been subject to discrimination by the Office, on the basis of his or her disability.

"Qualified individual with a disability" means an individual with a disability who, with or without reasonable modifications to rules, policies or practices, the removal of architectural, communication or transportation barriers, or the provision of auxiliary aids and services, meets the essential eligibility requirements for the receipt of services or the participation in programs or activities provided by the Office.

Section 350.130 Procedure

- a) Grievances shall be submitted in accordance with the procedures established in Sections 350.140 of this Part, in the form and manner described, and within specified time limits. Time limits established in this procedure are in calendar days, unless otherwise stated, and may be extended by mutual agreement in writing by the complainant and the reviewer at the Designated Coordinator and Final Levels.
- b) A complainant's failure to submit a grievance, or to submit or appeal it to the next level of procedure, within the specified time limits shall mean that the complainant has withdrawn the grievance or has accepted the last response given in the grievance procedure as the Office's final response.
- c) The Office shall, upon being informed of an individual's desire to file a formal grievance, instruct the individual how to receive a copy of this procedure and the grievance form.

Section 350.140 Designated Coordinator Level

Illinois State Law Library

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- a) If an individual desires to file a formal written grievance, the individual shall promptly, but no later than 180 days after the alleged discrimination, submit the grievance to the Designated Coordinator in writing on the grievance form prescribed for that purpose. The grievance form shall be completed in full in order to receive proper consideration by the Designated Coordinator, and shall include:

- 1) the complainant's name and, if applicable, address and telephone number;
 - 2) the best means and time for contacting the complainant;
 - 3) the program, activity or service which was denied complainant or in which alleged discrimination occurred;
 - 4) the date and nature of the alleged denial or discrimination;
 - 5) the signature of the complainant.
- b) Upon request, assistance shall be provided by the Office to complete the grievance form.
- c) The Designated Coordinator shall investigate the grievance and shall make reasonable efforts to resolve it. The Designated Coordinator shall provide a written response to the complainant and to the Treasurer within ten (10) business days after receipt of the grievance form.

Section 350.150 Review Panel

- a) If the grievance has not been resolved at the Designated Coordinator Level to the satisfaction of the complainant, the complainant may submit a copy of the Grievance Form and Designated Coordinator's response to the Treasurer for final review. The complainant shall submit these documents to the Treasurer, together with a short written statement explaining the reason(s) for dissatisfaction with the Designated Coordinator's written response, within five (5) business days after receipt by the complainant of the Designated Coordinator's response.
- b) The Treasurer shall appoint a 3-member panel to review the grievance at the Final Level. One member so appointed shall be designated chairman.
- c) The complainant shall be afforded an opportunity to appear before the panel. Complainant shall have a right to appoint a representative to appear on his/her behalf. The panel shall review the Designated Coordinator's written response and may conduct interviews and seek advice as it deems appropriate.
- d) Upon reaching a concurrence, the panel shall make recommendations in writing to the Treasurer as to the proper resolution of the grievance. All recommendations shall include reasons for such recommendations and shall bear the signatures of the concurring panel members. A dissenting member of the panel may make recommendation to the Treasurer in writing and shall also sign such recommendation.

Section 350.160 Final Level

- a) Upon receipt of recommendations from a panel, the Treasurer shall approve, disapprove or modify the panel recommendations, shall render a decision thereon in writing, shall state the basis therefor, and shall cause a copy of the decision to be served on the parties. The Treasurer's decision shall be final. If the Treasurer disapproves or modifies the panel recommendations, the Treasurer shall include written reasons for such disapproval or modification.
- b) The grievance form, the Designated Coordinator's response, the statement of reasons for dissatisfaction, the recommendations of the panel and the decision of the Director shall be maintained in accordance with the State Records Act (Ill. Rev. Stat. 1991, ch. 116, par. 43.4 et seq.) [5 ILCS 160/1 et seq.], or as otherwise required by law.

Section 350.170 Accessibility

The Treasurer shall ensure that all stages of the grievance procedure are readily accessible to and usable by individuals with disabilities.

Section 350.180 Case-by-Case Resolution

Each grievance involves a unique set of factors that includes, but is not limited to: the specific nature of the disability; the essential eligibility requirements, the benefits to be derived, and the nature of the service, program or activity at issue; the health and safety of others; and, whether an accommodation would constitute a fundamental alteration to the program, service or activity or undue hardship on the Office. Accordingly, termination of a grievance at any level, whether through the granting of relief or otherwise, shall not constitute a precedent on which any other complainants should rely.

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF ADOPTED AMENDMENTS

- 1) The Heading of the Part: Conditions of Employment
- 2) Code Citation: 80 Ill. Adm. Code 303
- 3) Section Numbers: Adopted Action:
303.112 New
- 4) Statutory Authority: Implementing and authorized by the Sick Leave Bank Act (Ill. Rev. Stat. 1991, ch. 127, par. 4251, et seq.) [5 ILCS 400/1 et seq.]
- 5) Effective Date of Amendments: March 29, 1993
- 6) Does this rulemaking contain an automatic repeal date? No.
- 7) Do the Amendments contain incorporations by reference? No.
- 8) Date Filed in Agency's Principal Office: March 29, 1993
- 9) Notice of Proposal Published in Illinois Register:
December 18, 1992, 16 Ill. Reg. 19285
- 10) Has JCAR issued a Statement of Objections to the Amendments? No.
- 11) Differences between proposal and final version:
Table of Contents - moved Subpart C heading
Section 303.112(a) - changed "section" to "Section"
Inserted statutory citation immediately following statutory language
Section 303.112(f) - Moved numbered statements to proper levels
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? No changes were necessary.
- 13) Will the Amendment replace an emergency rule currently in effect? No.
- 14) Are there any amendments pending on this Part? No.
- 15) Summary and Purpose of Amendment:

The Department added this new section to implement the provisions of Public Act 87-822 creating the Sick Leave Bank Act. Under these provisions, State employees are allowed to bank a portion of their accrued sick leave to be used by other employees who have exhausted their accrued vacation time, personal days, sick leave and compensatory time.

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF ADOPTED AMENDMENTS

These rules are intended to establish a uniform framework within which agencies may establish sick leave banks. After Public Act 87-822 became effective, the Department negotiated Sick Leave Bank procedures with collective bargaining representatives. The proposed rules allow for these procedures and are also intended to accommodate alternative procedures which may be used by other jurisdictions.

- 16) Information and questions regarding this adopted amendment shall be directed to:

Stephen W. Seiple
720 Stratton Office Building
Springfield, IL 62706
(217)782-9669

The full text of the Adopted Amendments begin on the next page.

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF ADOPTED AMENDMENTS

TITLE 80: PUBLIC OFFICIALS AND EMPLOYEES

SUBTITLE B: PERSONNEL RULES, PAY PLANS, AND

POSITION CLASSIFICATIONS

CHAPTER I: DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

PART 303

CONDITIONS OF EMPLOYMENT

SUBPART A: GRIEVANCE PROCEDURE

Section

303.10 Definition of a Grievance
 303.20 Procedure
 303.30 Grievance Committee
 303.45 Representation

SUBPART B: LEAVE OF ABSENCE

Section

303.90 Sick Leave
 303.100 Accumulation of Sick Leave
 303.102 Payment in Lieu of Sick Leave
 303.105 Reinstatement of Sick Leave
 303.110 Advancement of Sick Leave
 303.112 Sick Leave Bank
 303.115 Veterans Hospital Leave
 303.125 Leave for Personal Business
 303.135 On-The-Job Injury -- Industrial Disease
 303.140 Leaves of Absence Without Pay
 303.142 Leave to Attend Union Conventions
 303.145 Disability Leave
 303.148 Family Responsibility Leave
 303.150 Employee Rights After Leave
 303.153 Failure to Return
 303.155 Leave to Take Exempt Position
 303.160 Military and Peace Corps Leave
 303.170 Military Reserve Training and Emergency Call-Up
 303.171 Leave for Military Physical Examinations
 303.175 Disaster Service Leave With Pay
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303.380 Reason for Separation
 303.385 Repayment of Benefit Time

AUTHORITY: Implementing and authorized by the Personnel Code (Ill. Rev. Stat. 1991, ch. 127, par. 63b101 et seq.) [20 ILCS 415/1 et seq.]

SOURCE: Filed May 29, 1975; amended at 3 Ill. Reg. 22, p. 78, effective June 1, 1979; amended at 3 Ill. Reg. 26, p. 199, effective July 1, 1979; emergency amendment at 3 Ill. Reg. 48, p. 188, effective January 1, 1980 for a maximum of 150 days; amended at 4 Ill. Reg. 11, p. 70, effective March 1, 1980; amended at 4 Ill. Reg. 15, p. 216, effective March 31, 1980; amended at 4 Ill. Reg. 22, p. 227, effective June 1, 1980; amended at 5 Ill. Reg. 8029, effective August 1, 1981; codified at 7 Ill. Reg. 13209; emergency amendment at 8 Ill. Reg. 329, effective January 1, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 7788, effective May 23, 1984; amended at 14 Ill. Reg. 3433, effective February 27, 1990; emergency amendment at 15 Ill. Reg. 5076, effective March 20, 1991, for a maximum of 150 days; emergency expired August 17, 1991; amended at 15 Ill. Reg. 5214, effective April 2, 1991; amended at 15 Ill. Reg. 14067, effective September 12, 1991; amended at 16 Ill. Reg. 8368, effective May 21, 1992; amended at 17 Ill. Reg. 5587, effective March 29, 1993.

Note: Statutory language is denoted by capital letters

Section 303.112 Sick Leave Bank

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

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a) This Section contains rules governing the operation of plans allowing participating employees in each Agency to bank portions of their accrued sick leave in a sick leave bank to be used by participating employees in the same agency who have exhausted their accrued vacation time, personal days, sick leave or compensatory time. These rules provide a framework within which each Agency may administer a sick leave bank. Individual Agency procedures should be consistent with the framework set forth in these rules unless alternative procedures have been agreed upon pursuant to collective bargaining negotiations.

b) Definitions

1) "AGENCY" MEANS ANY BRANCH, DEPARTMENT, BOARD, COMMITTEE OR COMMISSION OF STATE GOVERNMENT, BUT DOES NOT INCLUDE UNITS OF LOCAL GOVERNMENT, SCHOOL DISTRICTS OR BOARDS OF ELECTION COMMISSIONERS (111. Rev. Stat. 1991, ch. 127, par. 4255.10) [5 ILCS 400/5.10].

2) "SICK LEAVE BANK" MEANS A DEPOSITORY INTO WHICH PARTICIPATING EMPLOYEES MAY DONATE ACCRUED SICK LEAVE TIME FOR ALLOCATION TO OTHER PARTICIPATING EMPLOYEES (111 Rev. Stat. 1991, ch. 127, par. 4255.15) [5 ILCS 400/5.15].

3) "PARTICIPATING EMPLOYEE" MEANS A PERMANENT FULL- OR PART-TIME EMPLOYEE WHO HAS BEEN EMPLOYED BY A STATE AGENCY FOR A PERIOD OF 6 MONTHS OR MORE WHO VOLUNTARILY ENROLLS IN THE SICK LEAVE BANK BY DEPOSITING AT LEAST ONE FULL DAY OF ACCRUED SICK LEAVE IN THAT BANK (111. Rev. Stat. 1991, ch. 127, par. 4255.20) [5 ILCS 400/5.20]. An employee who wishes to enroll must have a minimum of 10 days of accrued sick time on the books.

4) "Catastrophic illness or injury" means temporary disability or incapacity resulting from a life threatening illness or injury or illness or injury of other catastrophic proportion as determined by the Director. Factors considered by the Director shall include the length of time the employee must be absent from work due to illness or injury.

5) "Personal catastrophic illness or injury" means a catastrophic illness or injury to the employee or, if agreed upon by the Agency Head and the Director, members of the employee's immediate family. Factors to be considered in determining if an employee's immediate family members are covered include the nature and duration of the catastrophic illness or injury and whether such individuals are covered pursuant to collective bargaining negotiations.

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c) Participation in the sick leave bank is voluntary on the part of any employee. Employees wishing to participate must be permanent full-time or part time employees with a minimum of 6 months of service.

d) A PARTICIPATING EMPLOYEE MAY DEPOSIT INTO THE SICK LEAVE BANK AS MUCH ACCRUED SICK LEAVE AS DESIRED PROVIDED THAT THE PARTICIPATING EMPLOYEE SHALL RETAIN IN HIS OR HER OWN ACCOUNT AT LEAST 10 SICK DAYS (111. Rev. Stat. 1991, ch. 127, par. 4260(b)) [5 ILCS 400/10(b)].

e) Employees may voluntarily enroll at any time. Employees who enroll within 30 calendar days of the establishment of a sick leave bank by an Agency must wait 30 calendar days before utilizing the sick leave bank. Employees who enroll more than 30 days after the establishment of a sick leave bank by an Agency must wait 60 calendar days after enrollment before utilizing the sick leave bank.

f) An employee may use up to 25 work days from the sick leave bank per calendar year except that participating employees shall not use sick leave accumulated in the sick leave bank until all of their accrued vacation, personal days, sick leave and compensatory time have been used. The Director may approve limits of other than 25 work days per year. Factors considered in determining if an alternate limit should be approved include:

1) the personnel jurisdiction governing the Agency and employees in question;

2) whether limits have been established through collective bargaining negotiations;

3) the desire for uniformity among Agency plans;

4) operational needs of the Agency.

g) Any sick leave in the sick leave bank used by a participating employee shall be only for the personal catastrophic illness or injury of the employee and may not be transferred, returned or used for any other purpose.

h) Each State agency shall develop procedures, consistent with this Section, for establishing a single sick leave bank for all agency employees.

i) Injuries and illnesses that are compensable under the Workers' Compensation Act (111. Rev. Stat. 1991, ch. 48, par. 138.1, et seq.) [820 ILCS 305/1, et seq.] or Workers' Occupational Disease Act (111. Rev. Stat. 1991, ch. 48, par. 172.36, et seq.) [820 ILCS 310/1, et seq.] shall not be eligible for sick leave bank use.

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- j) PARTICIPATING EMPLOYEES WHO TRANSFER FROM ONE AGENCY TO ANOTHER MAY TRANSFER THEIR PARTICIPATION IN THE SICK LEAVE BANK (Ill. Rev. Stat. 1991, ch. 127, par. 4260(f)) [5 ILCS 400/10(f)].
- k) An employee shall not be eligible to withdraw the sick leave time he or she has contributed to the bank.
- l) Decisions affecting a participating employee's use of the sick leave bank may be submitted by the employee to a review committee. Unless otherwise approved by the Department, the committee shall consist of one Agency representative and two Department representatives. In determining if alternative committee membership should be approved, the Department shall consider the jurisdiction governing the Agency or employees in question. Decisions of review committees shall be final and binding.
- m) ANY ABUSE OF THE USE OF THE SICK LEAVE BANK SHALL BE INVESTIGATED BY THE AGENCY AND THE DEPARTMENT AND UPON A FINDING OF WRONGDOING ON THE PART OF A PARTICIPATING EMPLOYEE, THAT EMPLOYEE SHALL REPAY ALL SICK LEAVE DAYS DRAWN FROM THE SICK LEAVE BANK AND SHALL BE SUBJECT TO OTHER DISCIPLINARY ACTION (Ill. Rev. Stat. 1991, ch. 127, par. 4260(h)) [5 ILCS 400/10(h)].

(Source: Added at 17 Ill. Reg. 5587, effective March 29, 1993)

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- 1) The Heading of the Part: Telecommunications Access for the Hearing and Voice Impaired
- 2) Code Citation: 83 Ill. Adm. Code 755
- 3) Section Numbers: Adopted Action:
- | | |
|-----------|-------------|
| 755.10 | Amendment |
| 755.105 | Amendment |
| 755.500 | New Section |
| 755.505 | New Section |
| 755.510 | New Section |
| 755.515 | New Section |
| 755.520 | New Section |
| 755.525 | New Section |
| Exhibit A | New Section |
| Exhibit B | New Section |
| Exhibit C | New Section |
| Exhibit D | New Section |
| Exhibit E | New Section |
| Exhibit F | New Section |
| Exhibit G | New Section |
| Exhibit H | New Section |
| Exhibit I | New Section |
| Exhibit J | New Section |
| Exhibit K | New Section |
| Exhibit L | New Section |
| Exhibit M | New Section |
| Exhibit N | New Section |
- 4) Statutory Authority: Implementing Section 13-703 and authorized by Section 10-101 of the Public Utilities Act (Ill. Rev. Stat. 1991, ch. 111 2/3, pars. 13-703 and 10-101) [220 ILCS 5/13-703 and 10-101].
- 5) Effective Date of Amendments: March 31, 1993
- 6) Does this rulemaking contain an automatic repeal date? No.
- 7) Does these amendments contain incorporations by reference? Yes, but JCAR approval not required for this incorporation
- 8) Date Filed in Agency's Principal Office: March 24, 1993
- 9) Notice of Proposal Published in Illinois Register: November 6, 1992, at 16 Ill. Reg. 16709.

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- 10) Has JCAR issued a Statement of Objections to these amendments? No.
- 11) Difference(s) between proposal and final version: None.
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? No changes required.
- 13) Will these amendments replace emergency amendments currently in effect? No.
- 14) Are there any amendments pending on this Part? No.
- 15) Summary and Purpose of Amendments: These amendments create a simplified line charge adjustment mechanism for the purpose of funding the Telecommunications Device for the Deaf Program and the Dual Party Relay Service Program. The line charge will be established by the Commission annually and processed in the manner of a tariff filing.
- 16) Information and questions regarding these amendments shall be directed to:

Conrad Rubinkowski
Illinois Commerce Commission
527 East Capitol Avenue
P.O. Box 19280
Springfield, IL 62794-9280
(217)785-8439

The full text of the Adopted Amendments begins on the next page:

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TITLE 83: PUBLIC UTILITIES
CHAPTER I: ILLINOIS COMMERCE COMMISSION
SUBCHAPTER f: TELEPHONE UTILITIES

PART 755

TELECOMMUNICATIONS ACCESS FOR THE HEARING AND VOICE IMPAIRED

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755.15	Notice
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755.25	

SUBPART B: LEC OBLIGATIONS

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755.100	Execution and Administration of ITAP
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755.110	Application Procedure and Processing
755.115	Equipment Set Specifications - TDD
755.120	Equipment Set Specifications - Telebraille
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SUBPART C: ELIGIBILITY AND PARTICIPATION

Section	Impaired Certification
755.200	Eligibility and Application for Subscriber-Units Which are Residential
755.205	Eligibility and Application for Subscriber-Units Which are Statewide Organizations
755.210	Time Period for Possession
755.220	Shared Residence
755.225	Change of Address
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SUBPART D: POSSESSION AND MAINTENANCE

Section	Equipment Ownership and Liability
755.300	Recipient Responsibility
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SUBPART E: OVERSIGHT AND REVIEW

Section
755.400
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Staff Liaison
Advisory Council
Advisory Council Rights
Biannual Workshop

SUBPART F: LINE CHARGE ADJUSTMENT MECHANISM

Section
755.500
755.505

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Annual Filings
Local Exchange and Inter-Exchange Carrier Reports
and Remittances to ITAC
Determination and Adjustment of the Line Charge
Notice and Filing Requirements
Interim Line Charge Adjustments
Waiver of Requirements of Section 755.500

EXHIBIT A Calculation of Monthly Line Charge (Schedule A-1)
EXHIBIT B Comparison of Present and Proposed Line Charges (Schedule A-2)
EXHIBIT C Projection Period Statement of Revenues and Expenses at Present Line Charge, As Adjusted (Schedule A-3)
EXHIBIT D Prior Calendar Year Actual Revenues Over/(Under) Expenses (Schedule A-4)
EXHIBIT E Schedule of Adjustment to Projected Cash Balance (Schedule A-5)
EXHIBIT F Schedule of Projected Increase to Cash Under Proposed Line Charge Before Cash Adjustment (Schedule A-6)
EXHIBIT G Call Volumes and Subscriber Lines (Schedule A-7)
EXHIBIT H Depreciation Schedule (Schedule A-8)
EXHIBIT I Projected Payroll Expenses, As Adjusted (Other than DPES Payroll Expenses) (Schedule A-9)
EXHIBIT J Projected Line Charge Filing Expenses (Schedule A-10)
EXHIBIT K Comparative Actual and Projected Balance Sheets, At Proposed Line Charge, As Adjusted (Schedule A-11)
EXHIBIT L Comparative Actual and Projected Statements of Revenues and Expenses at Proposed Line Charge, As Adjusted (Schedule A-12)
EXHIBIT M Local Exchange Carrier Monthly Report to ITAC
EXHIBIT N Inter-Exchange Carrier Monthly Remittance Report to ITAC

AUTHORITY: Implementing Section 13-703 and authorized by Section 10-101 of the Public Utilities Act (Ill. Rev. Stat. 1991, ch. 111 2/3, pars. 13-703 and 10-101) [220 ILCS 5/13-703 and 10-101].

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SOURCE: Adopted at 12 Ill. Reg. 3687, effective February 1, 1988; amended at 14 Ill. Reg. 3042, effective February 15, 1990; agency amendments at 14 Ill. Reg. 19375, effective November 25, 1990, for a maximum of 150 days; amended at 15 Ill. Reg. 5624, effective April 15, 1991; amended at 17 Ill. Reg. 5594, effective March 31, 1993.

SUBPART A: GENERAL PROVISIONS

Section 755.10 Definitions

"Act" means the Public Utilities Act (Ill. Rev. Stat. 199991, ch. 111 2/3, pars. 1-101 et seq. as amended by P.A. 86-1278, effective September 6, 1990 [220 ILCS 5/1-101 et seq.]).

"Commission" means the Illinois Commerce Commission.

"Deaf-blind" refers to a deaf or severely hearing-impaired person who is also sight-impaired and who can regularly and routinely communicate by telephone only through the aid of a telebraille device.

"Deaf or severely hearing-impaired" refers to a person with a permanent hearing loss who can regularly and routinely communicate by telephone only through the aid of devices which can send and receive written messages over the telephone network.

"Dual party relay service call volumes" means all Illinois intrastate calls placed through the Illinois Relay Center, whether or not completed.

"Equipment set" means the Telecommunications Device for the Deaf ("TDD"), all of its components and support equipment (except paper rolls) provided to a subscriber-unit under this program; or a telebraille device, all of its components and support equipment provided to a subscriber-unit under this program.

"Illinois Telecommunications Access Corporation," or "ITAC," means the not-for-profit corporation jointly established by Illinois local exchange carriers pursuant to Section 135.103 to administer programs mandated by Section 13-703 of the Act.

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"Impaired" means deaf-blind, deaf or severely hearing-impaired, voice-impaired, or voice-impaired-blind as defined in this Section.

"ITAP" or "Program" means the Illinois Telecommunications Access for the Deaf and Severely Hearing-Impaired Program, by which Illinois local exchange carriers shall provide telecommunications devices capable of servicing the needs of impaired subscribers as required by Section 13-703 of the Act (Ill. Rev. Stat. 1989, ch. III-2/3, par. 13-703).

"LEC" means local exchange carrier, which is a telecommunications carrier providing local service as defined in Section 13-204 of the Act.

"Line charge" means the charge authorized by Section 13-703(c) of the Act.

"Organizations" or "statewide organizations" means those Illinois-based not-for-profit organizations not owned or operated by any political subdivision, public institution of higher learning, state agency, or municipal corporation of this State which represent the impaired and which are not limited to a particular geographical area within the state and which are available to the impaired throughout the State.

"Projection period" means, for each annual filing required by Subpart F, a 12-month period beginning January 1 of the year in which the filing is made.

"Recipient" is the user or the parent or legal guardian of a minor user.

"Social service agencies" means the Illinois Department of Rehabilitation Services, Department on Aging, Department of Public Aid, Department of Public Health, Department of Children and Family Services, the State Board of Education, and the University of Illinois Division of Services for Crippled Children.

"Staff" means individuals employed by the Illinois Commerce Commission.

"Subscriber lines" means access lines of local exchange carriers subject to the jurisdiction of the Commission, as defined in 83 Ill. Adm. Code 730.105, but shall not

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include Feature Groups A, B, C and D access lines, 800 lines or access lines used for official communications of telecommunications carriers providing local exchange service. In calculating subscriber lines, each centrex line shall be equivalent to one-tenth of a residence or business access line.

"Subscriber-unit" is a single address which receives basic telephone service and is subject to a monthly service charge for each access line.

"TDD" means "Telecommunications Device for the Deaf," a device which allows impaired persons to send and receive written messages over the telephone network.

"Telebraille device" is a TDD which employs braille language symbols.

"User" means an impaired person within a subscriber-unit for whose use the equipment set is provided. There may be multiple users per subscriber-unit.

"Voice-impaired" means a person with a permanent speech disability which precludes oral communication, who can regularly and routinely communicate by telephone only through the aid of devices which can send or receive written messages over the telephone network.

"Voice-impaired-blind" means a voice-impaired person who is also sight-impaired.

(Source: Amended at 17 Ill. Reg. 5594, effective March 31, 1993)

Section 755.105 Execution and Administration of ITAP

- a) The charge per month per subscriber line, allowed by Section 13-703(c) of the Act and ordered by the Commission, shall be collected by the LEC's from their customers. The charge applies to all subscriber lines, business and residential lines, and semi-public coin and customer-owned pay station coin lines. A charge equal to 1/10 of the charge applied to the lines specified in the preceding sentence, shall be applied to each Centrex line.

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b) The LEC's shall be reimbursed for all start up and ongoing expenses associated with the administration of the customer charge per line per month and the establishment, execution and administration of ITAP. Such costs shall include but not be limited to those expenses involving

- 1) Customer notification;
- 2) Customer billing;
- 3) Accounting and tax administration;
- 4) Auditing and reporting;
- 5) Taxes;
- 6) Franchise fees;
- 7) Uncollectables; and
- 8) LEC staff assignments.

c) The LEC's may make voluntary or contractual agreements with businesses, agencies of local, state, or Federal government, organizations, and other third parties for provision or distribution of equipment, maintenance, warehousing, training, administration, or miscellaneous supports services as required to fulfill the goals of this program in a manner consistent with the intent and provisions of the Act and this Part.

d) The LEC's shall administer the ITAP so as to take full advantage of any economies of scale that may exist by centralizing the provision of ITAP services listed in Section 755.100. However, the LEC's shall provide sufficient regional centers to insure a reasonable access to ITAP by the impaired.

e) The LEC's may determine and propose to the Commission for approval, subject to the requirements of Section 7-101 and 7-102 of the Act (Ill. Rev. Stat. 1989a, ch. 111 2/3, par. 7-101 and 7-102) [220 ILCS 5/7-101 and 7-102], a plan for joint execution and administration of ITAP.

(Source: Amended at 17 Ill. Reg. 5594 , effective March 31, 1993)

SUBPART F: LINE CHARGE ADJUSTMENT MECHANISM

Section 755.500 Annual Filings

a)

On or before April 1 of each year, ITAC shall file with the Commission a verified petition requesting that the Commission establish the annual line charge, and shall file with the petition the following information, and shall serve the filing as provided in Section 755.515(b) below:

- 1) ITAC's audited financial statements as of December 31 of the prior calendar year;
- 2) A projected balance sheet, projected statement of cash revenues and expenses, projected statement of cash flows, and a summary of significant projection assumptions and accounting policies for the projection period;
- 3) A pro forma adjustment to annualize December levels of revenues and expenses for the projection period shall be added to the projected revenues and expenses;
- 4) A statement from an independent certified public accountant that the projected balance sheet and statements of revenues and expenses and cash flows comply with the guidelines for presentation of a projection established in the "Guide for Prospective Financial Statements" (copyright 1986) by the American Institute of Certified Public Accountants (1211 Avenue of the Americas, New York NY 10036), and that the underlying assumptions provide a reasonable basis for management's projections. No later amendment or edition of the "Guide for Prospective Financial Statements" is included by this incorporation; and
- 5) Schedules for the projection period presenting the following information in the format of sections 755.515, Exhibit A through 755.515, Exhibit L below:
 - A) A calculation of the proposed monthly line charge (Exhibit A);
 - B) A comparison of present and proposed line charges, as adjusted (Exhibit B);

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- C) A statement of revenues and expenses at present line charge, as adjusted (Exhibit C);
- D) A statement of prior calendar year actual revenues over/(under) expenses (Exhibit D);
- E) A schedule of adjustment to projected cash balance (Exhibit E);
- F) A schedule of projected increase to cash under proposed line charge before cash adjustment (Exhibit F);
- G) A schedule of projected and historical dual party relay service call volumes and projected and, effective January 1, 1994, historical subscriber lines (Exhibit G);
- H) A depreciation schedule (Exhibit H);
- I) A schedule of projected payroll expenses (other than DPRS payroll expenses), as adjusted (Exhibit I);
- J) A schedule of projected line charge filing expenses (assuming no suspension of filing) (Exhibit J);
- K) Comparative actual and projected balance sheets, at proposed line charge, as adjusted (Exhibit K); and
- L) Comparative actual and projected statements of revenues and expenses, at proposed line charge, as adjusted (Exhibit L).

b) For purposes of projecting subscriber lines for the projection period as required by subsection (a) above, it shall be assumed that subscriber lines will increase or decrease annually, from the number of subscriber lines on December 31 of the prior calendar year reported by ITAC pursuant to subsection (a)(5)(G) above, at a weighted average growth rate. Prior to January 1, 1996, this growth rate shall reflect the rates of increase or decrease in subscriber lines for the three most recent years available, as calculated from the annual reports to the Commission by the two largest local exchange telecommunications carriers in Illinois. Effective January 1,

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1996, this growth rate shall reflect the rates of increase or decrease in subscriber lines for the three most recent years, as reported by ITAC, pursuant to subsection (a)(5)(C) above.

c) Effective January 1, 1996, for purposes of projecting dual party relay service call volumes for the projection period as required by subsection (a) above, forecasts of call volumes shall be based on historical Illinois dual party relay service call volumes.

d) For purposes of projecting expenses for the projection period as required by subsection (a) above, an annual inflation factor equal to the consensus Gross National Product implicit price deflator for the projection period, as reported in the publication "Blue Chip Economic Indicators" for January of the year in which the filing is made, shall be applied to all costs, including dual party relay service costs, but excluding depreciation and costs fixed by contract between ITAC and another party.

e) For purposes of establishing the proposed line charge for the projection period, ITAC shall make calculations so that the following amounts are reflected in the proposed line charge over a 12 month period:

- 1) projection period revenues (over)/under expenses at present line charge, as adjusted;
- 2) the total difference, if any, between ITAC's actual revenues and ITAC's actual expenses for the prior calendar year; and
- 3) any adjustment necessary so that ITAC's cash balance, under the proposed line charge, at the end of the projection period will be no less than one-eighth and no greater than one-fourth of ITAC's projected expenses, as adjusted, for the projection period, excluding depreciation, plus an allowance for planned capital expenditures during the projection period.

f) ITAC shall make available to the Commission Staff all workpapers, documentation, and calculations supporting its annual filing.

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

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Section 755.505 Local Exchange and Inter-Exchange Carrier Reports and Remittances to ITAC

a) Each local exchange carrier shall provide a monthly remittance report to ITAC, indicating the number of subscriber lines excluding centrex lines, the number of centrex lines, the applicable line charges, the number of intra-MSA (See Section 13-208 of the Act) dual party relay service billable messages billed, the number of inter-MSA dual party relay service billable messages billed as agent for an interexchange carrier, the revenues from each source, adjustments for errors (if any) in prior monthly reports and the total remittance. All revenue amounts shall be reported net of uncollectible amounts and applicable discounts as prescribed by 83 Ill. Adm. Code 756.220(d) and 83 Ill. Adm. Code 756.125(a)(2)(C), respectively, and shall be remitted to ITAC as reported. This data shall be presented in the format of Section 755.Exhibit M.

b) Each inter-exchange carrier that bills any Illinois customer directly or through an agent other than a local exchange carrier for intrastate inter-MSA dual party relay service messages shall provide a monthly remittance report to ITAC, indicating the number of inter-MSA dual party relay service billable messages billed for the month, the related amount of revenues, adjustments for errors (if any) in prior monthly reports, and the total remittance. All revenue amounts shall be reported net of uncollectible amounts and applicable discounts as prescribed by 83 Ill. Adm. Code 756.220(d) and 83 Ill. Adm. Code 756.125(a)(2), respectively, and shall be remitted to ITAC as reported. This data shall be presented in the format of Section 755. Exhibit N.

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

Section 755.510 Determination and Adjustment of the Line Charge

a) The Commission may, upon complaint, its own motion, or the petition of ITAC, enter upon a hearing concerning the propriety of the proposed line charge. If no hearing is held, the Commission shall issue an order determining the line charge level within 45 days after ITAC's annual filing. If a hearing is conducted, the Commission shall issue an order determining the line charge level within 105 days after ITAC's annual filing. If the Commission is unable to issue an order within this 105-day period,

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the Commission shall extend this period for a further period not exceeding six months.

b) The Commission's order establishing the line charge shall be served on ITAC, the ITAP Advisory Council chairperson, the Staff Liaison, the Director of the Commission's Telecommunications Department, and all local exchange carriers.

c) If any change in the line charge is ordered, the order shall direct each local exchange carrier to file a tariff within 15 days in compliance with the order and without further notice.

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

Section 755.515 Notice and Filing Requirements

a) ITAC shall, beginning not later than ten days after it files the information required under Section 755.500 or under Section 755.520, cause to be published once each week for two consecutive weeks a notice of its filing in the official state newspaper and in a secular newspaper (that has been regularly published for at least six months prior to the first publication of such notice) in general circulation in the cities of Chicago and Springfield. Such notice shall be not less than one column in width and three inches in length.

b) ITAC shall file with the Chief Clerk of the Commission the required reports and schedules pursuant to Section 755.500. Any documents filed with the Commission pursuant to this Part shall also be served on the following persons: Director of the Commission's Telecommunications Department, the Staff Liaison, and the ITAP Advisory Council chairperson.

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

Section 755.520 Interim Line Charge Adjustments

a) ITAC may request, by petition, an interim line charge adjustment. Such petition shall be verified and shall include documentation supporting the need for an interim line charge adjustment and a projected cash flow statement. If a hearing is conducted, ITAC shall bear the burden of proof regarding the need for an interim line charge adjustment.

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b) The Commission shall issue an order on an expedited basis addressing any requested interim line charge adjustment, either denying, granting in full, or granting in part the requested interim line charge adjustment. The Commission's order shall be served on the same persons as in Section 755.510(b). If the Commission determines that an interim line charge adjustment is necessary, the order shall authorize an interim line charge, to remain in effect until subsequent order of the Commission. If the Commission's order authorizes an interim line charge adjustment, it shall direct all local exchange carriers to file tariffs in compliance with the order.

(Source: Added at 17 Ill. Reg. 5594, effective March 31, 1993)

Section 755.525 Waiver of Requirements of Section 755.500

The Commission shall grant a waiver of any requirements of Section 755.500 if the verified petition filed under that Section states that:

- a) ITAC is unable to obtain the statement required under Section 755.500(a)(4) if the requirements are adhered to;
- b) the reasons stated by the independent certified public accountant why the statement cannot be provided if the rule is adhered to; and
- c) the alternate projections or underlying assumptions used by ITAC so that the independent certified public accountant is able to provide the statement required by Section 755.500(a)(4).

(Source: Added at 17 Ill. Reg. 5594, effective March 31, 1993)

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Section 755. EXHIBIT A Calculation of Monthly Line Charge (Schedule A-1)

Line (A)	Description (B)	Amount (C)
1	Projection Period Revenues (Over)/Under Expenses At Present Line Charge, As Adjusted (a)	
2	Prior Calendar Year Actual Revenues (Over)/Under Expenses (b)	
3	Adjustment To Projected Cash Balance (c)	
4	Subtotal	
5	End-of-Period Projected Subscriber Lines	
6	Annual Revenue Adjustment Per Subscriber Line (Line 4 Divided by Line 5 - Rounded to 4 Decimal Places)	
7	Increase (Decrease) in Monthly Line Charge for Projection Period (Line 6 Divided by 12 Months - Rounded to 4 Decimal Places)	
8	Add: Present Line Charge	
9	Subtotal (Line 7 Plus Line 8)	
10	Proposed Monthly Line Charge (Line 9 Rounded to Next Higher Cent)	
	(a) Amount from line 16, column E, schedule A-3.	
	(b) Amount from line 16, column D, schedule A-4.	
	(c) Amount from line 6 or 11, column D, schedule A-5.	

(Source: Added at 17 Ill. Reg. 5594, effective March 31, 1993)

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Section 755, EXHIBIT B Comparison of Present and Proposed Line Charges (Schedule A-2)

Section 755, EXHIBIT C Projection Period Statement of Revenues and Expenses at Present Line Charge, As Adjusted (Schedule A 1)

Line (A)	Description (B)	Projection Period (Year) As Adjusted At Present Line Charge (C)	Projection Period (Year) As Adjusted At Proposed Line Charge (D)	Difference (Column D- Column C) (E)	Percentage Change (Column E/ Column C) (F)
1	Number of Subscriber Lines Excluding Centrex				
2	Number of Centrex Lines				
3	Subscriber Line Charge Excluding Centrex				
4	Centrex Line Charge				
5	Subtotal				
6	Investment Income				
7	Dual Party Relay Service				
8	Other:				
9	Total Revenues				
10	Expenses				
11	Revenues Over/(Under) Expenses				

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

Line (A)	Description (B)	Projection Period Ending 12/31/ (C)	Adjustment to Annualize December Levels (D)	Total (E)
1	Revenues			
2	Subscriber Line Charge			
3	Investment Income			
4	Dual Party Relay Service			
5	Other:			
6	TOTAL REVENUES			
7	Expenses:			
8	Dual Party Relay Service			
9	Administration			
10	Equipment Distribu- tion and Maintenance			
11	Legal			
12	Accounting and Consulting			
13	Depreciation			
14	Other:			
15	TOTAL EXPENSES			
16	Revenues Over/ (Under) Expenses			

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

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Section 755, EXHIBIT D Prior Calendar Year Actual Revenues Over/(Under) Expenses (Schedule A-4)

Section 755, EXHIBIT E Schedule of Adjustment to Projected Cash Balance (Schedule A-5)

Line (A)	Description (B)	Year Ended 12/31/ (C)	Amount (D)
1	Revenues:		
2	Subscriber Line Charge		
3	Investment Income		
4	Dual Party Relay Service		
5	Other:		
6	TOTAL REVENUES		
7	Expenses:		
8	Dual Party Relay Service		
9	Administration		
10	Equipment Distribution & Maintenance		
11	Legal		
12	Accounting and Consulting		
13	Depreciation		
14	Other:		
15	TOTAL EXPENSES		
16	Revenues Over/(Under) Expenses		

(Source: Added at 17 Ill. Reg. 5594, effective March 31, 1993)

Line (A)	Description (B)	Amount (C)	Amount (D)
1	Projected Cash Balance at Proposed Line Charge Before Cash Adjustment (a)		
2	One-Eighth of Projected Expenses, As Adjusted (Excluding Depreciation)		
3	Planned Capital Expenditures During Protection Period (Attach Supporting Schedule)		
4	Line 2 plus Line 3		
5	If Line 4 is greater than Line 1, enter amount from line 4 here. If Line 4 is less than Line 1, go to Line 7.		
6	Adjustment to Cash Balance (Line 5 minus Line 1) *IF THERE IS AN ENTRY ON LINE 5, STOP HERE AND ENTER AMOUNT FROM LINE 6 ON LINE 3 OF PAGE 1		
7	One-Fourth of Projected Expenses, As Adjusted (Excluding Depreciation)		
8	Amount from Line 3		
9	Line 7 plus Line 8		
10	If Line 9 is less than Line 1, enter amount from Line 9 here. If Line 9 is greater than Line 1, there is no adjustment to Cash Balance.		
11	Adjustment to Cash Balance (Line 10 minus Line 1) *IF THERE IS AN ENTRY ON LINE 10, ENTER AMOUNT FROM LINE 11 ON LINE 3 OF SCHEDULE A-1.		

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(a) Amount from Line 7, Column D, Schedule A-6.

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

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Section 755.EXHIBIT F. Schedule of Projected Increase to Cash Under Proposed Line Charge Before Cash Adjustment (Schedule A-6)

Line (A)	Description (B)	Amount (C)	Amount (D)
1	Projected Cash Balance at Present Rates, as adjusted		
2	Projected increase to Cash Balance at proposed line charge before cash adjustment calculation		
3	Projection Period Revenues (Over)/Under Expenses at Present Line Charge, as adjusted (a)		
4	Prior period actual revenues (Over)/Under Expenses (b)		
5	Subtotal (Line 3 plus Line 4)		
6	Projected increase/(decrease) to cash under proposed line charge before cash adjustment (One Half of Line 5)		
7	Projected Cash Balance at proposed line charge before cash adjustment (Line 1 plus Line 6)		

(a) Amount from Line 16, Column E, Schedule A-3.

(b) Amount from Line 16, Column D, Schedule A-4.

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

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Section 755.EXHIBIT G Call Volumes and Subscriber Lines
(Schedule A-7)

Line (A)	Month (B)	Dual Party Relay Service Call Volume				Subscriber Lines			
		Actual Prior Cal Yr (C)	Proj. Period (D)	Diff. Col D - Col C (E)	Actual Prior Cal Yr (F)	Proj. Period (G)	Diff. Col G - Col F (H)		
1	Jan								
2	Feb								
3	Mar								
4	Apr								
5	May								
6	June								
7	July								
8	Aug								
9	Sept								
10	Oct								
11	Nov								
12	Dec								
13	Total								

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

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Section 755.EXHIBIT H Depreciation Schedule (Schedule A-8)

Line (A)	Description (B)	Actual Prior Cal Yr 12/31/ (C)		Proj Period 12/31/ (D)		Actual Prior Cal Yr 12/31/ (E)		Proj Period 12/31/ (F)		Average Depreciation Useful Life Expense (G)	
		Prop and Equipment At Cost	At Cost	Prop and Equipment At Cost	At Cost	Prop and Equipment At Cost	At Cost	Prop and Equipment At Cost	At Cost	Useful Life	Expense
1	Buildings										
2	Computer Hardware										
3	Furniture and Fixtures										
4	TDD Equipment										
5	Teletype Equipment										
6	Large Visual Display Equip.										
7	Other:										
8											
9	Total										
10											
11											
12											
13											
14											

Reconciliation of Accumulated Depreciation
12/31/
Accumulated Depreciation
Expense

(Year)
12/31/
Accumulated Depreciation
Expense

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

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Section 755.EXHIBIT I Projected Payroll Expenses, As Adjusted
(Other than DPRS Payroll Expenses) (Schedule A-9)

Line (A)	Description (B)	Year Ending 12/31/ (C)	Amount (D)
1	Executive Wages		
2	Other Management Wages		
3	Non-Management Wages		
4	Sub-Total		
5	Executive Benefits		
6	Other Management Benefits		
7	Non-Management Benefits		
8	Subtotal		
9	Total Payroll Expenses		

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

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Section 755.EXHIBIT J Projected Line Charge Filing Expenses
(Schedule A-10)

Line (A)	Description (B)	Year Ending 12/31/ (C)
1	Legal	
2	Accounting	
3	Other:	
4	Other:	
5	Total	

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

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NOTICE OF ADOPTED AMENDMENTSSection 755.EXHIBIT K Comparative Actual and Projected Balance
Sheets, At Proposed Line Charge, As Adjusted (Schedule A-11)

Line (A)	Description (B)	Actual Prior Calendar Year 12/31/ (C)	Projected 12/31/ (D)
1	ASSETS		
2	Current Assets:		
3	Cash and Cash Equivalents		
4	Accounts Receivable		
5	Interest Receivable		
6	Prepaid Distribution Expense		
7	Other:		
8	Total Current Assets		
9	Property and Equipment:		
10	Computer Hardware		
11	Furniture and Fixtures		
12	TDD Equipment		
13	Teletaille Equipment		
14	Large Visual Display Equipment		
15	Less: Accumulated Depreciation		
16	Property and Equipment, Net		
17	Other:		
18	Total Assets		
19	LIABILITIES AND FUND BALANCE		
20	Current Liabilities:		
21	Accounts Payable		
22	DPRS		
23	Other:		

24	Total Current Liabilities	
25	Fund Balance:	
26	Beginning Balance	
27	Revenues Over/(Under) Expenses	
28	Ending Balance	
29	Total Liabilities and Fund Balance	

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

Section 755.EXHIBIT I Comparative Actual and Projected State-
ments of Revenues and Expenses at Proposed Line Charge, As
Adjusted (Schedule A-12)

Line (A)	Description (B)	Actual Prior Calendar Year 12/31/____ (C)	Projected 12/31/____ (D)
1	Revenues:		
2	Subscriber Line Charge		
3	Investment Income		
4	Dual Party Relay Service		
5	Other:		
6	Total Revenues		
7	Expenses:		
8	Dual Party Relay Service		
9	Administration		
10	Equipment Distribution and Maintenance		
11	Legal		
12	Accounting and Consulting		
13	Depreciation		
14	Other:		
15	Total Expenses		
16	Revenues Over/(Under) Expenses		

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

Section 755.EXHIBIT M Local Exchange Carrier Monthly Report to
ITAC

Local Exchange Carrier Name: _____

Remittance for (Month/Year): _____

Line (A)	Description (B)	Number (C)	Rate (D)	Revenues (b) (E)
1	Subscriber Lines (a)			
2	Centrex Lines			
3	Intra-MSA dual party relay service billable messages billed			
4	Inter-MSA dual party relay service billable messages billed as agent for an inter- exchange carrier			
5	Prior Period Adjust- ment (Attach Explanation)			
6	Total Remittance			

(a) "Subscriber lines" means access lines of local exchange carriers subject to the jurisdiction of the Illinois Commerce Commission as defined in 83 Illinois Administrative Code 730.105, but shall not include Feature Groups A, B, C and D access lines, 800 lines or access lines used for official communications of telecommunications carriers providing local exchange service. Also, for purposes of this report, "subscriber lines" does not include Centrex lines.

(b) All revenue amounts shall be reported net of uncollectible amounts and applicable discounts as prescribed by Section 756.220(d) and 756.125 (a)(2)(C), respectively.

Date Prepared: _____

Originator: _____

Phone: _____

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(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

ILLINOIS COMMERCE COMMISSION
NOTICE OF ADOPTED AMENDMENTSSection 755.EXHIBIT N Inter-Exchange Carrier Monthly Remittance
Report to ITAC

Inter-Exchange Carrier Name: _____

Remittance for (Month/Year): _____

Line (A)	Description (B)	Inter-MSA Messages Billed for Month (C)	Revenues (b) (D)
-------------	--------------------	---	---------------------

1 Direct Inter-Exchange Carrier
Billing (a)2 Prior Period Adjustments
(Attach Explanation)

3 Total Remittance

(a) This line shall include data for calls billed to customers directly by the inter-exchange carrier and for calls billed by an agent of the inter-exchange carrier if such agent is other than a local exchange carrier.

(b) All revenue amounts shall be reported net of uncollectible amounts and applicable discounts as prescribed by Sections 756.220(d) and 756.125(a)(2), respectively.

Date Prepared: _____

Originator: _____

Phone: _____

(Source: Added at 17 Ill. Reg. 5594 , effective March 31, 1993)

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- 1) Heading of the Part: HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL
- 2) Code Citation: 35 Ill. Adm. Code 720
- 3) Section Numbers:
720.110
Adopted Action:
Amendment
- 4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111^{1/2}, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27].
- 5) Effective Date of Amendments: March 26, 1993
- 6) Does this rulemaking contain an automatic repeal date?: No.
- 7) Does this amendment contain incorporations by reference? No.
- 8) Date Filed in Agency's Principal Office: Opinion and order adopted on January 21, 1993, supplemented on March 11, 1993
- 9) Notice(s) of Proposal Published in Illinois Register:
November 6, 1992; 16 Ill. Reg. 16776
- 10) Has JCAR issued a Statement of Objections to this (these) Rule(s)?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the Illinois Administrative Procedure Act [5 ILCS 100/1-1 et seq.] (APA) provide that this matter shall not be subject to first notice or to second notice review by JCAR.
- 11) Difference(s) between proposal and final version:

<u>Section</u>	<u>Discussion</u>
720.110	Changes shown in proposal were made in R92-1.
"Designated ..."	Changes shown in proposal were made in R92-1.
"Qualified ..."	

- 12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1), of the APA provide that this matter shall

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- not be subject to first notice or to second notice review by JCAR.
- 13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.
- 14) Are there any amendments pending on this part? No.
- 15) Summary and Purpose of Rule(s):

The Board adopted an Opinion and Order in this matter, R92-10, on January 21, 1993, supplemented March 11, 1993. A copy of the Opinion and supplement are available from the address below.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2. par. 1022.4(a) [415 ILCS 5/22.4(a)]) requires the Board to adopt regulations which are "identical in substance" to regulations adopted by USEPA to implement Sections 3001 through 3005 of the Resource Conservation and Recovery Act. The USEPA regulations, which deal with hazardous waste, are found at 40 CFR 260 through 270. The equivalent Board regulations are in 35 Ill. Adm. Code 702, 703, 705 and 720 through 728.

The term "identical in substance" is defined in Section 7.2 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2. par. 1007.2 [415 ILCS 5/7.2]). Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that Section 5-35 of the APA does not apply. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's hazardous waste regulations to correspond with USEPA amendments appearing in the Federal Register during the period January 1 through June 30, 1992. These include the liner and leak detection system ("LDS") rules at 57 Fed. Reg. 3486, January 29, 1992.

Section	Discussion
"Replacement unit"	Used in the LDS rules. Limited to units receiving waste "in accordance with a closure or corrective action plan approved by USEPA or the Agency."
"dump"	Special meaning when used with the

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LDS rules.

- 16) Information and questions regarding this adopted amendment shall be directed to:

Morton F. Dorothy
Illinois Pollution Control Board
104 W. University
Urbana, IL 61801

217/ 333-5575

The full text of the adopted amendments begins on the following page:

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TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 720

HAZARDOUS WASTE MANAGEMENT SYSTEM: GENERAL

SUBPART A: GENERAL PROVISIONS

Section
720.101
720.102
720.103

Purpose, Scope and Applicability
Availability of Information; Confidentiality of Information
Use of Number and Gender

SUBPART B: DEFINITIONS

Section
720.110
720.111

Definitions
References

SUBPART C: RULEMAKING PETITIONS AND OTHER PROCEDURES

Section
720.120
720.121
720.122
720.130
720.131
720.132
720.133
720.140
720.141

Rulemaking
Alternative Equivalent Testing Methods
Waste Delisting
Procedures for Solid Waste Determinations
Solid Waste Determinations
Boiler Determinations
Procedures for Determinations
Additional regulation of certain hazardous waste
Recycling Activities on a case-by-case Basis
Procedures for case-by-case regulation of hazardous waste Recycling Activities

Appendix A Overview of 40 CFR, Subtitle C Regulations

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027) [415 ILCS 5/22.4 and 27].

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-19 at 7 Ill. Reg. 14015, effective Oct. 12, 1983; amended in R84-9, 53 PCB 131 at 9 Ill. Reg. 11819, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 968, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 13998, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20630, effective December 2, 1986; amended in

AMENDMENT 100005 AND 10006

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R86-28 at 11 Ill. Reg. 6017, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13435, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19280, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. 2450, effective January 15, 1988; amended in R87-39 at 12 Ill. Reg. 12999, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 362, effective December 27, 1988; amended in R89-1 at 13 Ill. Reg. 18278, effective November 13, 1989; amended in R89-2 at 14 Ill. Reg. 3075, effective February 20, 1990; amended in R89-9 at 14 Ill. Reg. 6225, effective April 16, 1990; amended in R90-10 at 14 Ill. Reg. 16450, effective September 25, 1990; amended in R90-17 at 15 Ill. Reg. 7934, effective May 9, 1991; amended in R90-11 at 15 Ill. Reg. 9323, effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14446, effective September 30, 1991; amended in R91-13 at 16 Ill. Reg. 9489, effective June 9, 1992; amended in R92-1 at 16 Ill. Reg. 17636, effective November 6, 1992; amended in R92-10 at 17 Ill. Reg. 5625, effective March 26, 1993.

SUBPART B: DEFINITIONS

Section 720.110 Definitions

When used in 35 Ill. Adm. Code 720 through 726 and 728 only, the following terms have the meanings given below:

"Aboveground tank" means a device meeting the definition of "tank" that is situated in such a way that the entire surface area of the tank is completely above the plane of the adjacent surrounding surface and the entire surface area of the tank (including the tank bottom) is able to be visually inspected.

"Act" or "RCRA" means the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6901 et seq.)

"Active life" of a facility means the period from the initial receipt of hazardous waste at the facility until the Agency receives certification of final closure.

"Active portion" means that portion of a facility where treatment, storage or disposal operations are being or have been conducted after May 19, 1980, and which is not a closed portion. (See also "closed portion" and "inactive portion".)

"Administrator" means the Administrator of the U.S. Environmental Protection Agency or the Administrator's

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designee.

"Agency" means the Illinois Environmental Protection Agency.

"Ancillary equipment" means any device including, but not limited to, such devices as piping, fittings, flanges, valves and pumps, that is used to distribute, meter or control the flow of hazardous waste from its point of generation to storage or treatment tank(s), to between hazardous waste storage and treatment tanks, a point of disposal onsite, or to a point of shipment for disposal off-site.

"Aquifer" means a geologic formation, group of formations or part of a formation capable of yielding a significant amount of groundwater to wells or springs.

"Authorized representative" means the person responsible for the overall operation of a facility or an operational unit (i.e., part of a facility), e.g., the plant manager, superintendent or person of equivalent responsibility.

"Board" means the Illinois Pollution Control Board.

"Boiler" means an enclosed device using controlled flame combustion and having the following characteristics:

The unit must have physical provisions for recovering and exporting thermal energy in the form of steam, heated fluids or heated gases; and the unit's combustion chamber and primary energy recovery section(s) must be of integral design. To be of integral design, the combustion chamber and the primary energy recovery section(s) (such as waterwalls and superheaters) must be physically formed into one manufactured or assembled unit. A unit in which the combustion chamber and the primary energy recovery section(s) are joined only by ducts or connections carrying flue gas is not integrally designed; however, secondary energy recovery equipment (such as economizers or air preheaters) need not be physically formed into the same unit as the combustion chamber and the primary energy recovery section. The following units are not precluded from being boilers solely because they are not of integral design: process

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heaters (units that transfer energy directly to a process stream), and fluidized bed combustion units; and

While in operation, the unit must maintain a thermal energy recovery efficiency of at least 60 percent, calculated in terms of the recovered energy compared with the thermal value of the fuel; and

The unit must export and utilize at least 75 percent of the recovered energy, calculated on an annual basis. In this calculation, no credit shall be given for recovered heat used internally in the same unit. (Examples of internal use are the preheating of fuel or combustion air, and the driving of induced or forced draft fans or feedwater pumps); or

The unit is one which the Board has determined, on a case-by-case basis, to be a boiler, after considering the standards in Section 720.132.

"Carbon regeneration unit" means any enclosed thermal treatment device used to regenerate spent activated carbon.

"Certification" means a statement of professional opinion based upon knowledge and belief.

"Closed Portion" means that portion of a facility which an owner or operator has closed in accordance with the approved facility closure plan and all applicable closure requirements. (See also "active portion" and "inactive portion".)

"Component" means either the tank or ancillary equipment of a tank system.

"Confined aquifer" means an aquifer bounded above and below by impermeable beds or by beds of distinctly lower permeability than that of the aquifer itself; an aquifer containing confined groundwater.

"Container" means any portable device in which a material is stored, transported, treated, disposed of or otherwise handled.

"Contingency plan" means a document setting out an

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organized, planned and coordinated course of action to be followed in case of a fire, explosion or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

"Corrosion expert" means a person who, by reason of knowledge of the physical sciences and the principles of engineering and mathematics, acquired by a professional education and related practical experience, is qualified to engage in the practice of corrosion control on buried or submerged metal piping systems and metal tanks. Such a person must be certified as being qualified by the National Association of Corrosion Engineers (NACE) or be a registered professional engineer who has certification or licensing that includes education and experience in corrosion control on buried or submerged metal piping systems and metal tanks.

"Designated facility" means a hazardous waste treatment, storage or disposal facility,

Which:

Has received a RCRA permit (or interim status) pursuant to 35 Ill. Adm. Code 702, 703 and 705;

Has received a RCRA permit from USEPA pursuant to 40 CFR 124 and 270 (1991);

Has received a RCRA permit from a state authorized by USEPA pursuant to 40 CFR 271 (1991); or

Is regulated under 35 Ill. Adm. Code 721.106(c)(2) or 266.Subpart F; and

Which has been designated on the manifest by the generator pursuant to 35 Ill. Adm. Code 722.120.

If a waste is destined to a facility in a state, other than Illinois, which has been authorized by USEPA pursuant to 40 CFR 271, but which has not yet obtained authorization to regulate that waste as hazardous, then the designated facility must be a facility allowed by the receiving state to accept such waste.

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"Dike" means an embankment or ridge of either natural or manmade materials used to prevent the movement of liquids, sludges, solids or other materials.

"Director" means the Director of the Illinois Environmental Protection Agency.

"Discharge" or "hazardous waste discharge" means the accidental or intentional spilling, leaking, pumping, pouring, emitting, emptying or dumping of hazardous waste into or on any land or water.

"Disposal" means the discharge, deposit, injection, dumping, spilling, leaking or placing of any solid waste or hazardous waste into or on any land or water so that such solid waste or hazardous waste or any constituent thereof may enter the environment or be emitted into the air or discharged into any waters, including groundwaters.

"Disposal facility" means a facility or part of a facility at which hazardous waste is intentionally placed into or on any land or water and at which waste will remain after closure.

"Drip pad" means an engineered structure consisting of a curbed, free-draining base, constructed of non-earthen materials and designed to convey preservative kick-back or drippage from treated wood, precipitation and surface water run-on to an associated collection system at wood preserving plants.

"Elementary neutralization unit" means a device which:

Is used for neutralizing wastes which are hazardous only because they exhibit the corrosivity characteristic defined in 35 Ill. Adm. Code 721.122 or are listed in 35 Ill. Adm. Code 721.Subpart D only for this reason; and

Meets the definition of tank, tank system, container, transport vehicle or vessel in this Section.

"EPA" or "USEPA" means United States Environmental Protection Agency.

"EPA hazardous waste number" or "USEPA hazardous waste number" means the number assigned by EPA to each

hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D and to each characteristic identified in 35 Ill. Adm. Code 721.Subpart C.

"EPA identification number" or "USEPA identification number" means the number assigned by USEPA pursuant to 35 Ill. Adm. Code 722 through 725 to each generator, transporter and treatment, storage or disposal facility.

"EPA region" means the states and territories found in any one of the following ten regions:

Region I: Maine, Vermont, New Hampshire, Massachusetts, Connecticut and Rhode Island

Region II: New York, New Jersey, Commonwealth of Puerto Rico and the U.S. Virgin Islands

Region III: Pennsylvania, Delaware, Maryland, West Virginia, Virginia and the District of Columbia

Region IV: Kentucky, Tennessee, North Carolina, Mississippi, Alabama, Georgia, South Carolina and Florida

Region V: Minnesota, Wisconsin, Illinois, Michigan, Indiana and Ohio

Region VI: New Mexico, Oklahoma, Arkansas, Louisiana and Texas

Region VII: Nebraska, Kansas, Missouri and Iowa

Region VIII: Montana, Wyoming, North Dakota, South Dakota, Utah and Colorado

Region IX: California, Nevada, Arizona, Hawaii, Guam, American Samoa and Commonwealth of the Northern Mariana Islands

Region X: Washington, Oregon, Idaho and Alaska

"Equivalent method" means any testing or analytical method approved by the Board pursuant to Section 720.120.

"Existing hazardous waste management (HWM) facility" or

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"existing facility" means a facility which was in operation or for which construction commenced on or before November 19, 1980. A facility had commenced construction if the owner or operator had obtained the federal, state and local approvals or permits necessary to begin physical construction and either:

A continuous on-site, physical construction program had begun or

The owner or operator had entered into contractual obligations -- which could not be cancelled or modified without substantial loss -- for physical construction of the facility to be completed within a reasonable time.

"Existing portion" means that land surface area of an existing waste management unit, included in the original Part A permit application, on which wastes have been placed prior to the issuance of a permit.

"Existing tank system" or "existing component" means a tank system or component that is used for the storage or treatment of hazardous waste and that is in operation, or for which installation has commenced on or prior to July 14, 1986. Installation will be considered to have commenced if the owner or operator has obtained all federal, state and local approvals or permits necessary to begin physical construction of the site or installation of the tank system and if either

A continuous on-site physical construction or installation program has begun; or

The owner or operator has entered into contractual obligations -- which cannot be canceled or modified without substantial loss -- for physical construction of the site or installation of the tank system to be completed within a reasonable time.

"Facility" means all contiguous land and structures, other appurtenances and improvements on the land used for treating, storing or disposing of hazardous waste. A facility may consist of several treatment, storage or disposal operational units (e.g., one or more landfills, surface impoundments or combinations of them).

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"Final closure" means the closure of all hazardous waste management units at the facility in accordance with all applicable closure requirements so that hazardous waste management activities under 35 Ill. Adm. Code 724 and 725 are no longer conducted at the facility unless subject to the provisions of 35 Ill. Adm. Code 722.134.

"Federal agency" means any department, agency or other instrumentality of the federal government, any independent agency or establishment of the federal government including any government corporation and the Government Printing Office.

"Federal, state and local approvals or permits necessary to begin physical construction" means permits and approvals required under federal, state or local hazardous waste control statutes, regulations or ordinances.

"Food-chain crops" means tobacco, crops grown for human consumption and crops grown for feed for animals whose products are consumed by humans.

"Freeboard" means the vertical distance between the top of a tank or surface impoundment dike and the surface of the waste contained therein.

"Free liquids" means liquids which readily separate from the solid portion of a waste under ambient temperature and pressure.

"Generator" means any person, by site, whose act or process produce hazardous waste identified or listed in 35 Ill. Adm. Code 721 or whose act first causes a hazardous waste to become subject to regulation.

"Groundwater" means water below the land surface in a zone of saturation.

"Hazardous waste" means a hazardous waste as defined in 35 Ill. Adm. Code 721.103.

"Hazardous waste constituent" means a constituent which caused the hazardous waste to be listed in 35 Ill. Adm. Code 721.Subpart D, or a constituent listed in of 35 Ill. Adm. Code 721.124.

"Hazardous waste management unit" is a contiguous area

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of land on or in which hazardous waste is placed, or the largest area in which there is significant likelihood of mixing hazardous waste constituents in the same area. Examples of hazardous waste management units include a surface impoundment, a waste pile, a land treatment area, a landfill cell, an incinerator, a tank and its associated piping and underlying containment system and a container storage area. A container alone does not constitute a unit; the unit includes containers and the land or pad upon which they are placed.

"Inactive portion" means that portion of a facility which is not operated after November 19, 1980. (See also "active portion" and "closed portion".)

"Incinerator" means any enclosed device that:

Uses controlled flame combustion and neither:

Meets the criteria for classification as a boiler, sludge dryer or carbon regeneration unit, nor

Is listed as an industrial furnace; or

Meets the definition of infrared incinerator or plasma arc incinerator.

"Incompatible waste" means a hazardous waste which is suitable for:

Placement in a particular device or facility because it may cause corrosion or decay of containment materials (e.g., container inner liners or tank walls); or

Commingling with another waste or material under uncontrolled conditions because the commingling might produce heat or pressure, fire or explosion, violent reaction, toxic dusts, mists, fumes or gases or flammable fumes or gases.

(See 35 Ill. Adm. Code 725. Appendix E for examples.)

"Industrial furnace" means any of the following enclosed devices that are integral components of manufacturing processes and that use thermal treatment

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to accomplish recovery of materials or energy:

Cement kilns

Lime kilns

Aggregate kilns

Phosphate kilns

Coke ovens

Blast furnaces

Smelting, melting and refining furnaces (including pyrometallurgical devices such as cupolas, reverberator furnaces, sintering machines, roasters and foundry furnaces)

Titanium dioxide chloride process oxidation reactors

Methane reforming furnaces

Pulping liquor recovery furnaces

Combustion devices used in the recovery of sulfur values from spent sulfuric acid

Halogen acid furnaces (HAFs) for the production of acid from halogenated hazardous waste generated by chemical production facilities where the furnace is located on the site of a chemical production facility, the acid product has a halogen acid content of at least 3%, the acid product is used in a manufacturing process and, except for hazardous waste burned as fuel, hazardous waste fed to the furnace has a minimum halogen content of 20%, as generated.

Any other such device as the Agency determines to be an "Industrial Furnace" on the basis of one or more of the following factors:

The design and use of the device primarily to accomplish recovery of material products;

The use of the device to burn or reduce raw materials to make a material product;

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The use of the device to burn or reduce secondary materials as effective substitutes for raw materials, in processes using raw materials as principal feedstocks;

The use of the device to burn or reduce secondary materials as ingredients in an industrial process to make a material product;

The use of the device in common industrial practice to produce a material product; and

Other relevant factors.

"Individual generation site" means the contiguous site at or on which one or more hazardous wastes are generated. An individual generation site, such as a large manufacturing plant, may have one or more sources of hazardous waste but is considered a single or individual generation site if the site or property is contiguous.

"Infrared incinerator" means any enclosed device which uses electric powered resistance heaters as a source of radiant heat and which is not listed as an industrial furnace.

"Inground tank" means a device meeting the definition of "tank" whereby a portion of the tank wall is situated to any degree within the ground, thereby preventing visual inspection of that external surface area of the tank that is in the ground.

"In operation" refers to a facility which is treating, storing or disposing of hazardous waste.

"Injection well" means a well into which fluids are being injected. (See also "underground injection".)

"Inner liner" means a continuous layer of material placed inside a tank or container which protects the construction materials of the tank or container from the contained waste or reagents used to treat the waste.

"Installation inspector" means a person who, by reason of knowledge of the physical sciences and the principles of engineering, acquired by a professional

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education and related practical experience, is qualified to supervise the installation of tank systems.

"International shipment" means the transportation of hazardous waste into or out of the jurisdiction of the United States.

"Land treatment facility" means a facility or part of a facility at which hazardous waste is applied onto or incorporated into the soil surface; such facilities are disposal facilities if the waste will remain after closure.

"Landfill" means a disposal facility or part of a facility where hazardous waste is placed in or on land and which is not a pile, a land treatment facility, a surface impoundment, an underground injection well, a salt dome formation, an underground mine or a cave.

"Landfill cell" means a discrete volume of a hazardous waste landfill which uses a liner to provide isolation of wastes from adjacent cells or wastes. Examples of landfill cells are trenches and pits.

"LDS" means leak detection system.

"Leachate" means any liquid, including any suspended components in the liquid, that has percolated through or drained from hazardous waste.

"Liner" means a continuous layer of natural or manmade materials beneath or on the sides of a surface impoundment, landfill or landfill cell, which restricts the downward or lateral escape of hazardous waste, hazardous waste constituents or leachate.

"Leak-detection system" means a system capable of detecting the failure of either the primary or secondary containment structure or the presence of a release of hazardous waste or accumulated liquid in the secondary containment structure. Such a system must employ operational controls (e.g., daily visual inspections for releases into the secondary containment system of aboveground tanks) or consist of an interstitial monitoring device designed to detect continuously and automatically the failure of the primary or secondary containment structure or the presence of a release of hazardous waste into the

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secondary containment structure.

"Management" or "hazardous waste management" means the systematic control of the collection, source separation, storage, transportation, processing, treatment, recovery and disposal of hazardous waste.

"Manifest" means the shipping document originated and signed by the generator which contains the information required by 35 Ill. Adm. Code 722.Subpart B.

"Manifest document number" means the USEPA twelve digit identification number assigned to the generator plus a unique five digit document number assigned to the manifest by the generator for recording and reporting purposes.

"Mining overburden returned to the mine site" means any material overlying an economic mineral deposit which is removed to gain access to that deposit and is then used for reclamation of a surface mine.

"Miscellaneous unit" means a hazardous waste management unit where hazardous waste is treated, stored or disposed of and which is not a container, tank, tank system, surface impoundment, pile, land treatment unit, landfill, incinerator, boiler, industrial furnace, underground injection well with appropriate technical standards under 35 Ill. Adm. Code 730, or a unit eligible for a research, development and demonstration permit under 35 Ill. Adm. Code 703.231.

"Movement" means that hazardous waste transported to a facility in an individual vehicle.

"New hazardous waste management facility" or "new facility" means a facility which began operation, or for which construction commenced, after November 19, 1980. (See also "Existing hazardous waste management facility".)

"New tank system" or "new tank component" means a tank system or component that will be used for the storage or treatment of hazardous waste and for which installation commenced after July 14, 1986; except, however, for purposes of 35 Ill. Adm. Code 724.293(g)(2) and 725.293(g)(2), a new tank system is one for which construction commences after July 14, 1986. (See also "existing tank system".)

"Onground tank" means a device meeting the definition of "tank" that is situated in such a way that the bottom of the tank is on the same level as the adjacent surrounding surfaces so that the external tank bottom cannot be visually inspected.

"On-site" means the same or geographically contiguous property which may be divided by public or private right-of-way, provided the entrance and exit between the properties is at a crossroads intersection and access is by crossing as opposed to going along the right-of-way. Noncontiguous properties owned by the same person but connected by a right-of-way which he controls and to which the public does not have access is also considered on-site property.

"Open burning" means the combustion of any material without the following characteristics:

Control of combustion air to maintain adequate temperature for efficient combustion;

Containment of the combustion reaction in an enclosed device to provide sufficient residence time and mixing for complete combustion; and

Control of emission of the gaseous combustion products.

(See also "incineration" and "thermal treatment".)

"Operator" means the person responsible for the overall operation of a facility.

"Owner" means the person who owns a facility or part of a facility.

"Partial closure" means the closure of a hazardous waste management unit in accordance with the applicable closure requirements of 35 Ill. Adm. Code 724 or 725 at a facility which contains other active hazardous waste management units. For example, partial closure may include the closure of a tank (including its associated piping and underlying containment systems), landfill cell, surface impoundment, waste pile or other hazardous waste management unit, while other units of the same facility continue to operate.

"Person" means an individual, trust, firm, joint stock

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company, federal agency, corporation (including a government corporation), partnership, association, state, municipality, commission, political subdivision of a state or any interstate body.

"Personnel" or "facility personnel" means all persons who work at or oversee the operations of a hazardous waste facility and whose actions or failure to act may result in noncompliance with the requirements of 35 Ill. Adm. Code 724 or 725.

"Pile" means any noncontainerized accumulation of solid, non-flowing hazardous waste that is used for treatment or storage.

"Plasma arc incinerator" means any enclosed device which uses a high intensity electrical discharge or arc as a source of heat and which is not listed as an industrial furnace.

"Point source" means any discernible, confined and discrete conveyance including, but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation or vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture.

"Publicly owned treatment works" or "POTW" is as defined in 35 Ill. Adm. Code 310.110.

"Qualified groundwater scientist" means a scientist or engineer who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and has sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration, professional certifications or completion of accredited university courses that enable the individual to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport.

BOARD NOTE: "State registration" includes, but is not limited to, registration as a professional engineer with the Department of Professional Regulation, pursuant to Ill. Rev. Stat. 1991, ch. 111, par. 5201 [225 ILCS 325/1] and 68 Ill. Adm. Code 1380. "Professional certification" includes,

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but is not limited to, certification under the certified ground water professional program of the National Ground Water Association.

"Regional Administrator" means the Regional Administrator for the EPA Region in which the facility is located or the Regional Administrator's designee.

"Representative sample" means a sample of a universe or whole (e.g., waste pile, lagoon, groundwater) which can be expected to exhibit the average properties of the universe or whole.

"Replacement unit" means a landfill, surface impoundment or waste pile unit from which all or substantially all of the waste is removed, and which is subsequently reused to treat, store or dispose of hazardous waste. "Replacement unit" does not include a unit from which waste is removed during closure, if the subsequent reuse solely involves the disposal of waste from that unit and other closing units or corrective action areas at the facility, in accordance with a closure or corrective action plan approved by USEPA or the Agency.

"Runoff" means any rainwater, leachate or other liquid that drains over land from any part of a facility.

"Runon" means any rainwater, leachate or other liquid that drains over land onto any part of a facility.

"Saturated zone" or "zone of saturation" means that part of the earth's crust in which all voids are filled with water.

"SIC Code" means Standard Industrial Code as defined in Standard Industrial Classification Manual, incorporated by reference in Section 720.111.

"Sludge" means any solid, semi-solid or liquid waste generated from a municipal, commercial or industrial wastewater treatment plant, water supply treatment plant or air pollution control facility exclusive of the treated effluent from a wastewater treatment plant.

"Sludge dryer" means any enclosed thermal treatment device which is used to dehydrate sludge and which has a total thermal input, excluding the heating value of the sludge itself, of 2500 Btu/lb or less of sludge

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treated on a wet weight basis.

"Small Quantity Generator" means a generator which generates less than 1000 kg of hazardous waste in a calendar month.

"Solid waste" means a solid waste as defined in 35 Ill. Adm. Code 721.102.

"Sump" means any pit or reservoir that meets the definition of tank and those troughs or trenches connected to it that serve to collect hazardous waste for transport to hazardous waste storage, treatment or disposal facilities; except that, as used in the landfill, surface impoundment and waste pile rules, "sump" means any lined pit or reservoir that serves to collect liquids drained from a leachate collection and removal system or leak detection system for subsequent removal from the system.

"State" means any of the several states, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands.

"Storage" means the holding of hazardous waste for a temporary period, at the end of which the hazardous waste is treated, disposed of or stored elsewhere.

"Surface impoundment" or "impoundment" means a facility or part of a facility which is a natural topographic depression, manmade excavation or diked area formed primarily of earthen materials (although it may be lined with manmade materials) which is designed to hold an accumulation of liquid wastes or wastes containing free liquids and which is not an injection well. Examples of surface impoundments are holding, storage, settling and aeration pits, ponds and lagoons.

"Tank" means a stationary device, designed to contain an accumulation of hazardous waste which is constructed primarily of nonearthen materials (e.g., wood, concrete, steel, plastic) which provide structural support.

"Tank system" means a hazardous waste storage or treatment tank and its associated ancillary equipment and containment system.

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"Thermal treatment" means the treatment of hazardous waste in a device which uses elevated temperatures as the primary means to change the chemical, physical or biological character or composition of the hazardous waste. Examples of thermal treatment processes are incineration, molten salt, pyrolysis, calcination, wet air oxidation and microwave discharge. (See also "incinerator" and "open burning".)

"Totally enclosed treatment facility" means a facility for the treatment of hazardous waste which is directly connected to an industrial production process and which is constructed and operated in a manner which prevents the release of any hazardous waste or any constituent thereof into the environment during treatment. An example is a pipe in which waste acid is neutralized.

"Transfer facility" means any transportation related facility including loading docks, parking areas, storage areas and other similar areas where shipments of hazardous waste are held during the normal course of transportation.

"Transport vehicle" means a motor vehicle or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (trailer, railroad freight car, etc.) is a separate transport vehicle.

"Transportation" means the movement of hazardous waste by air, rail, highway or water.

"Transporter" means a person engaged in the off-site transportation of hazardous waste by air, rail, highway or water.

"Treatability study" means:

A study in which a hazardous waste is subjected to a treatment process to determine:

Whether the waste is amenable to the treatment process.

What pretreatment (if any) is required.

The optimal process conditions needed to achieve the desired treatment.

The efficiency of a treatment process for a

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specific waste or wastes. Or,

The characteristics and volumes of residuals from a particular treatment process.

Also included in this definition for the purpose of 35 Ill. Adm. Code 721.104(e) and (f) exemptions are liner compatibility, corrosion and other material compatibility studies and toxicological and health effects studies. A "treatability study" is not a means to commercially treat or dispose of hazardous waste.

"Treatment" means any method, technique or process, including neutralization, designed to change the physical, chemical or biological character or composition of any hazardous waste so as to neutralize such waste, or so as to recover energy or material resources from the waste or so as to render such waste non-hazardous or less hazardous; safer to transport, store or dispose of; or amenable for recovery, amenable for storage or reduced in volume.

"Treatment zone" means a soil area of the unsaturated zone of a land treatment unit within which hazardous constituents are degraded, transformed or immobilized.

"Underground injection" means the subsurface emplacement of fluids through a bored, drilled or driven well; or through a dug well, where the depth of the dug well is greater than the largest surface dimension. (See also "injection well".)

"Underground tank" means a device meeting the definition of "tank" whose entire surface area is totally below the surface of and covered by the ground.

"Unfit-for-use tank system" means a tank system that has been determined through an integrity assessment or other inspection to be no longer capable of storing or treating hazardous waste without posing a threat of release of hazardous waste to the environment.

"Uppermost aquifer" means the geologic formation nearest the natural ground surface that is an aquifer, as well as lower aquifers that are hydraulically interconnected with this aquifer within the facility's property boundary.

"United States" means the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands.

"Unsaturated zone" or "zone of aeration" means the zone between the land surface and the water table.

"USEPA" means United States Environmental Protection Agency.

"Vessel" includes every description of watercraft, used or capable of being used as a means of transportation on the water.

"Wastewater treatment unit" means a device which:

Is part of a wastewater treatment facility which has an NPDES permit pursuant to 35 Ill. Adm. Code 309 or a pretreatment permit or authorization to discharge pursuant to 35 Ill. Adm. Code 310; and

Receives and treats or stores an influent wastewater which is a hazardous waste as defined in 35 Ill. Adm. Code 721.103, or generates and accumulates a wastewater treatment sludge which is a hazardous waste as defined in 35 Ill. Adm. Code 721.103, or treats or stores a wastewater treatment sludge which is a hazardous waste as defined in 35 Ill. Adm. Code 721.103; and

Meets the definition of tank or tank system in this Section.

"Water (bulk shipment)" means the bulk transportation of hazardous waste which is loaded or carried on board a vessel without containers or labels.

"Well" means any shaft or pit dug or bored into the earth, generally of a cylindrical form, and often walled with bricks or tubing to prevent the earth from caving in.

"Well injection" (See "underground injection").

"Zone of engineering control" means an area under the control of the owner or operator that, upon detection of a hazardous waste release, can be readily cleaned up prior to the release of hazardous waste or hazardous

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constituents to groundwater or surface water.

(Source: Amended at 17 Ill. Reg. 5625, effective
March 26, 1993.)

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1) Heading of the Part: IDENTIFICATION AND LISTING OF
HAZARDOUS WASTE

2) Code Citation: 35 Ill. Adm. Code 721

3) Section Numbers:

721.103
721.104
721.111

Adopted Action:

Amendment
Amendment
Amendment

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111½, pars.
1022.4 and 1027 [415 ILCS 5/22.4 and 27].

5) Effective Date of Amendments: March 26, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

7) Does this amendment contain incorporations by reference? No.

8) Date Filed in Agency's Principal Office: Opinion and order
adopted on January 21, 1993, supplemented on March 11, 1993

9) Notice(s) of Proposal Published in Illinois Register:
November 6, 1992; 16 Ill. Reg. 16801

10) Has JCAR issued a Statement of Objections to this (these)
Rule(s)?

Section 22.4(a) of the Environmental Protection Act and
Section 1-5(c)(1) of the Illinois Administrative Procedure
Act [5 ILCS 100/1-1 et seq.] (APA) provide that this matter
shall not be subject to first notice or to second notice
review by JCAR.

11) Difference(s) between proposal and final version:

SectionDiscussion

721.103(a)(2)(A)

Strike and underline corrected.

721.103(c) et seq.

"of this part" added after Subpart
references.

Commas removed from "above" or "below"
following subsection references.

721.103(e)

"Sunset" provision not adopted.

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721.104(b)(13)-(14) Added.

- 12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that this matter shall not be subject to first notice or to second notice review by JCAR.

- 13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.

- 14) Are there any amendments pending on this Part? No.

- 15) Summary and Purpose of Rule(s):

The Board adopted an Opinion and Order in this matter, R92-10, on January 21, 1993, supplemented March 11, 1993. A copy of the Opinion and supplement are available from the address below.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2. par. 1022.4(a) [415 ILCS 5/22.4(a)]) requires the Board to adopt regulations which are "identical in substance" to regulations adopted by USEPA to implement Sections 3001 through 3005 of the Resource Conservation and Recovery Act. The USEPA regulations, which deal with hazardous waste, are found at 40 CFR 260 through 270. The equivalent Board regulations are in 35 Ill. Adm. Code 702, 703, 705 and 720 through 728.

The term "identical in substance" is defined in Section 7.2 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2. par. 1007.2 [415 ILCS 5/7.2]). Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that Section 5-35 of the APA does not apply. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's hazardous waste regulations to correspond with USEPA amendments appearing in the Federal Register during the period January 1 through June 30, 1992. These include the liner and leak detection system ("LDS") rules at 57 Fed. Reg. 3486, January 29, 1992.

Section

Discussion

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721.103(e)

The "mixture and derived from" sunset provision not adopted pursuant to USEPA action at 57 Fed. Reg. 49278, October 30, 1992.

721.104(a)(10) Exclusion for certain recycled coke/coal tar by-products modified.

721.104(b)(9) Exclusion for arsenical-treated wood modified.

721.104(b)(15) Exclusion added for certain used oil filters which have been properly drained.

721.111(a)(3) Wording of the criteria for listing toxic waste modified.

- 16) Information and questions regarding this adopted amendment shall be directed to:

Morton F. Dorothy
Illinois Pollution Control Board
104 W. University
Urbana, IL 61801

217/ 333-5575

The full text of the adopted amendments begins on the following page:

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TITLE 55: ENVIRONMENTAL PROTECTION

SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SURCHAPTER C: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 721

IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SUBPART A: GENERAL PROVISIONS

Section

721.101 Purpose and Scope

721.102 Definition of Solid Waste

721.103 Definition of Hazardous Waste

721.104 Exclusions

721.105

Special Requirements for Hazardous Waste Generated by

Small Quantity Generators

721.106 Requirements for Recyclable Materials

721.107 Residues of Hazardous Waste in Empty Containers

721.108 PCB Wastes Regulated under TSCA

SUBPART B: CRITERIA FOR IDENTIFYING THE CHARACTERISTICS OF HAZARDOUS WASTE AND FOR LISTING HAZARDOUS WASTES

Section

721.110

Criteria for Identifying the Characteristics of

Hazardous Waste

721.111 Criteria for Listing Hazardous Waste

SUBPART C: CHARACTERISTICS OF HAZARDOUS WASTE

Section

721.120

General

721.121 Characteristic of Ignitability

721.122 Characteristic of Corrosivity

721.123 Characteristic of Reactivity

721.124 Toxicity Characteristic

SUBPART D: LISTS OF HAZARDOUS WASTE

Section

721.130

General

721.131 Hazardous Wastes From Nonspecific Sources

721.132 Hazardous Waste from Specific Sources

721.133 Discarded Commercial Chemical Products, Off-

Specification Species, Container Residues and Spill

Residues Thereof

721.135 Wood Preserving Wastes

721. Appendix A Representative Sampling Methods

721. Appendix B Method 1311 Toxicity Characteristic Leaching

Procedure (TCLP)

721. Appendix C Chemical Analysis Test Methods

Table A

Analytical Characteristics of Organic Chemicals (Repealed)

Table B

Analytical Characteristics of Inorganic Species (Repealed)

Table C

Sample Preparation/Sample Introduction Techniques (Repealed)

721. Appendix G Basis for Listing Hazardous Wastes

721. Appendix H Hazardous Constituents

721. Appendix I Wastes Excluded under Section 720.120 and 720.122

Table A Wastes Excluded from Non-Specific Sources

Table B Wastes Excluded from Specific Sources

Table C Wastes Excluded From Commercial Chemical Products,

Off-Specification Species, Container Residues, and

Soil Residues Thereof

Table D Wastes Excluded by Adjusted Standard

721. Appendix J Method of Analysis for Chlorinated Dibenzo-p-

Dioxins and Dibenzofurans

721. Appendix Z Table to Section 721.102

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027) [415 ILCS 5/22.4 and 27].

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-18, 51 PCB 31, at 7 Ill. Reg. 2518, effective February 22, 1983; amended in R82-19, 53 PCB 131, at 7 Ill. Reg. 13999, effective October 12, 1983; amended in R84-34, 61 PCB 247, at 8 Ill. Reg. 24562, effective December 11, 1984; amended in R84-9, at 9 Ill. Reg. 11834, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 998, effective January 2, 1986; amended in R85-2 at 10 Ill. Reg. 8112, effective May 2, 1986; amended in R86-1 at 10 Ill. Reg. 14002, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20647, effective December 2, 1986; amended in R86-28 at 11 Ill. Reg. 6035, effective March 24, 1987; amended in R87-32 at 11 Ill. Reg. 13466, effective August 4, 1987; amended in R87-5 Ill. Reg. 16698, effective September 30, 1987; amended in R87-5 at 11 Ill. Reg. 19303, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. 2456, effective January 15, 1988; amended in R87-30 at 12 Ill. Reg. 12070, effective July 12, 1988; amended in R87-39 at 12 Ill. Reg. 13006, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 382, effective December 27, 1988; amended in R89-1 at 13 Ill. Reg. 18300, effective November 13, 1989; amended in R90-2 at 14 Ill. Reg. 14401, effective August 22, 1990; amended in R90-10 at 14 Ill. Reg. 16472, effective September 25, 1990; amended in R90-17 at 15 Ill. Reg. 7950, effective May 9, 1991; amended in R90-11 at 15 Ill. Reg. 9332,

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effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14473, effective September 30, 1991; amended in R91-12 at 16 Ill. Reg. 2155, effective January 27, 1992; amended in R91-26 at 16 Ill. Reg. 2600, effective February 3, 1992; amended in R91-13 at 16 Ill. Reg. 9519, effective June 9, 1992; amended in R92-1 at 16 Ill. Reg. 17666, effective November 6, 1992; amended in R92-10 at 17 Ill. Reg. 5650, effective March 26, 1993.

SUBPART A: GENERAL PROVISIONS

Section 721.103 Definition of Hazardous Waste

- a) A solid waste, as defined in Section 721.102, is a hazardous waste if:
- 1) It is not excluded from regulation as a hazardous waste under Section 721.104(b); and
 - 2) It meets any of the following criteria:

- A) It exhibits any of the characteristics of hazardous waste identified in Subpart C of this Part. Except that any mixture of a waste from the extraction, beneficiation or processing of ores or minerals excluded under Section 721.104(b)(7) and any other solid waste exhibiting a characteristic of hazardous waste under Subpart C of this Part is a hazardous waste only: if it exhibits a characteristic that would not have been exhibited by the excluded waste alone if such mixture had not occurred; or, if it continues to exhibit any of the characteristics exhibited by the non-excluded wastes prior to mixture. Further, for the purposes of applying the ~~procedure-toxicity~~, ~~characteristic toxicity~~ characteristic to such mixtures, the mixture is also a hazardous waste: if it exceeds the maximum concentration for any contaminant listed in Section 721.124 that would not have been exceeded by the excluded waste alone if the mixture had not occurred; or, if it continues to exceed the maximum concentration for any contaminant exceeded by the nonexempt waste prior to mixture.

- B) It is listed in Subpart D of this Part and has not been excluded from the lists in

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Subpart D of this Part under 35 Ill. Adm. Code 720.120 and 720.122.

- C) It is a mixture of a solid waste and a hazardous waste that is listed in Subpart D of this Part solely because it exhibits one or more of the characteristics of hazardous waste identified in Subpart C of this Part, unless the resultant mixture no longer exhibits any characteristic of hazardous waste identified in Subpart C of this Part for which the hazardous waste listed in Subpart D of this Part was listed.
- D) It is a mixture of solid waste and one or more hazardous wastes listed in Subpart D of this Part and has not been excluded from this ~~part~~ subsection (a)(2) under 35 Ill. Adm. Code 720.120 and 720.122; however, the following mixtures of solid wastes and hazardous wastes listed in Subpart D of this Part are not hazardous wastes (except by application of subsection (a)(2)(A) or (B) above) if the generator can demonstrate the mixture consists of wastewater the discharge of which is subject to regulation under either 35 Ill. Adm. Code 309 or 310 (including wastewater at facilities which have eliminated the discharge of wastewater) and:
 - i) One or more of the following ~~spent~~ solvents listed in Section 721.131 - carbon tetrachloride, ~~tetrahydro~~ ethylenetetrachloroethylene, trichloroethylene - provided that the maximum total weekly usage of these solvents (other than the amounts that can be demonstrated not to be discharged to wastewater) divided by the average weekly flow of wastewater into the headworks of the facility's wastewater treatment or ~~pre-treatment~~ pretreatment system does not exceed 1 part per

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million; or

- ii) One or more of the following spent solvents listed in Section 721.131 - methylene chloride, 1,1,1 - trichloroethane, chlorobenzene, o-dichlorobenzene, cresols, cresylic acid, nitrobenzene, toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, spent ethylene ~~fluorene~~ chlorofluorocarbon solvents - provided that the maximum total weekly usage of these solvents (other than the amounts that can be demonstrated not to be discharged to wastewater) divided by the average weekly flow of wastewater into the headworks of the facility's wastewater treatment or ~~pre-treatment~~ pretreatment system does not exceed 25 parts per million; or

- iii) One of the following wastes listed in Section 721.132 - heat exchanger bundle cleaning sludge from the petroleum refining industry (EPA Hazardous Waste No. K050); or

- iv) A ~~discharged~~ discarded commercial chemical product, or chemical intermediate listed in Section 721.133, arising from de minimis losses of these materials from manufacturing operations in which these materials are used as raw materials or are produced in the manufacturing process. For purposes of this subsection, "de minimis" losses include those from normal material handling operations (e.g., spills from the unloading or transfer of materials from bins or other containers, leaks from pipes, valves or other devices used to transfer materials); minor leaks of process equipment, storage tanks or containers; leaks from well-maintained pump packings and seals; sample purgings; relief device discharges; discharges from safety showers and rinsing and cleaning of personal safety equipment; and rinseate from empty

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containers or from containers that are rendered empty by that rinsing; or

- v) Wastewater resulting from laboratory operations containing toxic (T) wastes listed in Subpart D of this Part, provided that the annualized average flow of laboratory wastewater does not exceed one percent of total wastewater flow into the headworks of the facility's wastewater treatment or ~~pre-treatment~~ pretreatment system, or provided that the wastes combined annualized average concentration does not exceed one part per million in the headworks of the facility's wastewater treatment or ~~pre-treatment~~ pretreatment facility. Toxic (T) wastes used in laboratories that are demonstrated not to be discharged to wastewater are not to be included in this calculation.

- b) A solid waste which is not excluded from regulation under subsection (a)(1) above, becomes a hazardous waste when any of the following events occur:

- 1) In the case of a waste listed in Subpart D of this Part, when the waste first meets the listing description set forth in Subpart D of this Part.
- 2) In the case of a mixture of solid waste and one or more listed hazardous wastes, when a hazardous waste listed in Subpart D of this Part is first added to the solid waste.
- 3) In the case of any other waste (including a waste mixture), when the waste exhibits any of the characteristics identified in Subpart C of this Part.

- c) Unless and until it meets the criteria of subsection (d) below:

- 1) A hazardous waste will remain a hazardous waste.
- 2) Specific inclusions and exclusions.
- A) Except as otherwise provided in subsection (c)(2)(B) below, any solid waste generated

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from the treatment, storage or disposal of a hazardous waste, including any sludge, spill residue, ash, emission control dust or leachate (but not including precipitation run-off), is a hazardous waste. (However, materials that are reclaimed from solid wastes and that are used beneficially are not solid wastes and hence are not hazardous wastes under this provision unless the reclaimed material is burned for energy recovery or used in a manner constituting disposal.)

B) The following solid wastes are not hazardous even though they are generated from the treatment, storage or disposal of a hazardous waste, unless they exhibit one or more of the characteristics of hazardous waste:

- i) Waste pickle liquor sludge generated by lime stabilization of spent pickle liquor from the iron and steel industry (SIC Codes 331 and 332) (Standard Industrial Codes, as defined and incorporated by reference in 35 Ill. Adm. Code 720.110 and 720.111).
- ii) Wastes from burning any of the materials exempted from regulation by Section 721.106(a)(3)(E), (F), (G) or (H).
- iii) Nonwastewater residues, such as slag, resulting from high temperature metal recovery (HTMR) processing of K061 waste, in units identified below, that are disposed of in non-hazardous waste units, provided that these residues meet the generic exclusion levels identified below for all constituents, and exhibit no characteristics of hazardous waste. The types of units are: rotary kilns, flame reactors, electric furnaces, plasma arc furnaces, slag reactors, rotary hearth furnace/electric furnace combinations or the following types of industrial furnaces (as defined in 35 Ill. Adm. Code 720.110): blast furnaces, smelting, melting and refining furnaces (including pyrometallurgical

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devices such as cupolas, reverberator furnaces, sintering machines, roasters and foundry furnaces), and other furnaces designated by the Agency pursuant to that definition. Testing requirements must be incorporated in a facility's waste analysis plan or a generator's self-implementing waste analysis plan; at a minimum, composite samples of residues must be collected and analyzed quarterly and when the process or operation generating the waste changes. The generic exclusion levels are:

Constituent	Maximum for any single composite sample (mg/L)
Antimony	0.063
Arsenic	0.055
Barium	6.3
Beryllium	0.0063
Cadmium	0.032
Chromium (total)	0.33
Lead	0.095
Mercury	0.009
Nickel	0.63
Selenium	0.16
Silver	0.30
Thallium	0.013
Vanadium	1.26

For each shipment of K061 HTMR residues sent to a nonhazardous waste management unit, a notification and certification must be sent to the Agency (or, for out-of-State shipments, to the appropriate Regional Administrator of USEPA or State agency authorized to implement 40 CFR 268 requirements). The notification must include the following information: The name and address of the nonhazardous waste management unit receiving the waste shipment; The USEPA hazardous waste number and treatability group at the initial point of generation; The treatment standards applicable to the waste at the initial point of generation. The certification must be

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signed by an authorized representative and must state as follows:

"I certify under penalty of law that the generic exclusion levels for all constituents have been met without impermissible dilution and that no characteristic of hazardous waste is exhibited. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

- d) Any solid waste described in subsection (c) 7 above is not a hazardous waste if it meets the following criteria:

- 1) In the case of any solid waste, it does not exhibit any of the characteristics of hazardous waste identified in Subpart C of this Part. (However, wastes which exhibit a characteristic at the point of generation may still be subject to the requirements of 35 Ill. Adm. Code 728, even if they no longer exhibit a characteristic at the point of land disposal.)
- 2) In the case of a waste which is a listed waste under Subpart D of this Part, contains a waste listed under Subpart D of this Part or is derived from a waste listed in Subpart D of this Part, it also has been excluded from subsection (c) 7 above under 35 Ill. Adm. Code 720.120 and 720.122.

(Source: Amended at 17 Ill. Reg. 5650, effective March 26, 1993)

Section 721.104 Exclusions

- a) Materials which are not solid wastes. The following materials are not solid wastes for the purpose of this Part:

- 1) Sewage:

A) Domestic sewage; and

B) Any mixture of domestic sewage and other waste that passes through a sewer system to publicly-owned treatment works for treatment.

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"Domestic sewage" means untreated sanitary wastes that pass through a sewer system.

- 2) Industrial wastewater discharges that are point source discharges with NPDES permits issued by the Agency pursuant to Section 12(f) of the Environmental Protection Act and 35 Ill. Adm. Code 309.

BOARD NOTE: This exclusion applies only to the actual point source discharge. It does not exclude industrial wastewaters while they are being collected, stored or treated before discharge, nor does it exclude sludges that are generated by industrial wastewater treatment.

- 3) Irrigation return flows.

- 4) Source, special nuclear or by-product material as defined by the Atomic Energy Act of 1954, as amended (42 U.S.C. 2011 et seq.)

- 5) Materials subjected to in-situ mining techniques which are not removed from the ground as part of the extraction process.

- 6) Pulping liquors (i.e., black liquor) that are reclaimed in a pulping liquor recovery furnace and then reused in the pulping process, unless accumulated speculatively as defined in Section 721.101(c);

- 7) Spent sulfuric acid used to produce virgin sulfuric acid, unless it is accumulated speculatively as defined in Section 721.101(c).

- 8) Secondary materials that are reclaimed and returned to the original process or processes in which they were generated where they are reused in the production process, provided:

A) Only tank storage is involved, and the entire process through completion of reclamation is closed by being entirely connected with pipes or other comparable enclosed means of conveyance;

B) Reclamation does not involve controlled flame combustion (such as occurs in boilers,

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industrial furnaces or incinerators):

- C) The secondary materials are never accumulated in such tanks for over twelve months without being reclaimed; and
- D) The reclaimed material is not used to produce a fuel, or used to produce products that are used in a manner constituting disposal.

9) Wood preserving wastes.

- A) Spent wood preserving solutions that have been used and are reclaimed and reused for their original intended purpose; and

- B) Wastewaters from the wood preserving process that have been reclaimed and are reused to treat wood.

- 10) ~~When used as a fuel, coke and coal tar from the iron and steel industry that contains or is produced from decanter tank tar sludge, USEPA hazardous waste K087. The process of producing coke and coal tar from such decanter tank tar sludge in a coke oven is likewise excluded from regulation. Hazardous waste number K087, and any wastes from the coke by-products processes which are hazardous only because they exhibit the toxicity characteristic specified in Section 721.124, when, subsequent to generation, these materials are recycled to coke ovens, to the tar recovery process as a feedstock to produce coal tar or are mixed with coal tar prior to the tar's sale or refining. This exclusion is conditioned on there being no land disposal of the wastes from the point they are generated to the point they are recycled to coke ovens or the tar refining process.~~

- 11) Nonwastewater splash condenser dross residue from the treatment of K061 in high temperature metals recovery units, provided it is shipped in drums (if shipped) and not land disposed before recovery.

- b) Solid wastes which are not hazardous wastes. The following solid wastes are not hazardous wastes:

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- 1) Household waste, including household waste that has been collected, transported, stored, treated, disposed, recovered (e.g., refuse-derived fuel) or reused. "Household waste" means any waste material (including garbage, trash and sanitary wastes in septic tanks) derived from households (including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds and day-use recreation areas). A resource recovery facility managing municipal solid waste shall not be deemed to be treating, storing, disposing of or otherwise managing hazardous wastes for the purposes of regulation under this Part, if such facility:

A) Receives and burns only:

- i) Household waste (from single and multiple dwellings, hotels, motels and other residential sources) and
- ii) Solid waste from commercial or industrial sources that does not contain hazardous waste; and

- B) Such facility does not accept hazardous waste and the owner or operator of such facility has established contractual requirements or other appropriate notification or inspection procedures to assure that hazardous wastes are not received at or burned in such facility.

- 2) Solid wastes generated by any of the following and which are returned to the soil as fertilizers:

- A) The growing and harvesting of agricultural crops.

- B) The raising of animals, including animal manures.

- 3) Mining overburden returned to the mine site.

- 4) Fly ash waste, bottom ash waste, slag waste and flue gas emission control waste generated primarily from the combustion of coal or other fossil fuels, except as provided in 35 Ill. Adm. Code 726.212 for facilities that burn or process

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hazardous waste.

- 5) Drilling fluids, produced waters, and other wastes associated with the exploration, development, or production of crude oil, natural gas or geothermal energy.

6) Chromium wastes:

- A) Wastes which fail the test for the toxicity characteristic (Section 721.124 and Appendix B) because chromium is present or are listed in Subpart D of this Part due to the presence of chromium, which do not fail the test for the toxicity characteristic for any other constituent or are not listed due to the presence of any other constituent, and which do not fail the test for any other characteristic, if it is shown by a waste generator or by waste generators that:

- i) The chromium in the waste is exclusively (or nearly exclusively) trivalent chromium; and
 - ii) The waste is generated from an industrial process which uses trivalent chromium exclusively (or nearly exclusively) and the process does not generate hexavalent chromium; and
 - iii) The waste is typically and frequently managed in non-oxidizing environments.
- B) Specific wastes which meet the standard in subsections (b)(6)(A)(i), (ii) and (iii), above, (so long as they do not fail the test for the toxicity characteristic for any other constituent of ~~pp-toxicity~~ and do not fail the test for exhibit any other characteristic) are:

- i) Chrome (blue) trimmings generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

- ii) Chrome (blue) shavings generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

- iii) Buffing dust generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue.

- iv) Sewer screenings generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

- v) Wastewater treatment sludges generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearling.

- vi) Wastewater treatment sludges generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; and through-the-blue.

- vii) Waste scrap leather from the leather tanning industry, the shoe manufacturing industry, and other leather product manufacturing industries.

- viii) Wastewater treatment sludges from the production of titanium dioxide pigment using chromium-bearing ores by the chloride process.

- 7) Solid waste from the extraction, beneficiation and

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processing of ores and minerals (including coal, phosphate rock and overburden from the mining of uranium ore), except as provided by 35 Ill. Adm. Code 726.212 for facilities that burn or process hazardous waste. For purposes of this subsection, beneficiation of ores and minerals is restricted to the following activities: crushing, grinding, washing, dissolution, crystallization, filtration, sorting, sizing, drying, sintering, pelletizing, briquetting, calcining to remove water or carbon dioxide, roasting, autoclaving or chlorination in preparation for leaching (except where the roasting or autoclaving or chlorination)/leaching sequence produces a final or intermediate product that does not undergo further beneficiation or processing), gravity concentration, magnetic separation, electrostatic separation, floatation, ion exchange, solvent extraction, electrowinning, precipitation, amalgamation, and heap, dump, vat tank and in situ leaching. For the purposes of this subsection, solid waste from the processing of ores and minerals includes only the following wastes:

- | | |
|----|---|
| A) | Slag from primary copper processing; |
| B) | Slag from primary lead processing; |
| C) | Red and brown muds from bauxite refining; |
| D) | Phosphogypsum from phosphoric acid production; |
| E) | Slag from elemental phosphorus production; |
| F) | Gasifier ash from coal gasification; |
| G) | Process wastewater from coal gasification; |
| H) | Calcium sulfate wastewater treatment plant sludge from primary copper processing; |
| I) | Slag tailings from primary copper processing; |
| J) | Fluorogypsum from hydrofluoric acid production; |
| K) | Process wastewater from hydrofluoric acid production; |

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- L) Air pollution control dust/sludge from iron blast furnaces;
- M) Iron blast furnace slag;
- N) Treated residue from roasting/leaching of chrome ore;
- O) Process wastewater from primary magnesium processing by the anhydrous process;
- P) Process wastewater from phosphoric acid production;
- Q) Basic oxygen furnace and open hearth furnace air pollution control dust/sludge from carbon steel production;
- R) Basic oxygen furnace and open hearth furnace slag from carbon steel production;
- S) Chloride processing waste solids from titanium tetrachloride production; and,
- T) Slag from primary zinc smelting.
- 8) Cement kiln dust waste, except as provided by 35 Ill. Adm. Code 266726.212 for facilities that burn or process hazardous waste.
- 9) Solid waste which consists of discarded arsenical-treated wood or wood products which fails the test for the toxicity characteristic ~~solely for arsenic~~ for hazardous waste codes D004 through D017 and which is not a hazardous waste for any other reason ~~or reasons~~ if the waste is generated by persons who utilize the arsenical-treated wood and wood products for these materials' intended end use.
- 10) Petroleum-contaminated media and debris that fail the test for the toxicity characteristic of Section 721.124 (hazardous waste codes D018 through D043 only) and are subject to corrective action regulations under 35 Ill. Adm. Code 731.
- 11) Injected groundwater that is hazardous only because it exhibits the toxicity characteristic (USEPA hazardous waste codes D018 through D024

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only) in section 721.124 that is reinjected through an underground injection well pursuant to free phase hydrocarbon recovery operations undertaken at petroleum refineries, petroleum marketing terminals petroleum bulk plants, petroleum pipelines and petroleum spill sites until January 25, 1993. This extension applies to recovery operations in existence, or for which contracts have been issued, on or before March 25, 1991. For groundwater returned through infiltration galleries from such at petroleum refineries, marketing terminals and bulk plants, until October 2, 1991. New operations involving injection wells (beginning after March 25, 1991) will qualify for this compliance date extension (until January 25, 1993) only if:

- A) Operations are performed pursuant to a "free product removal report" pursuant to 35 Ill. Adm. Code 731.164; and
- B) A copy of the "free product removal report" has been submitted to:

Characteristics Section (OS-333)
USEPA

401 M Street, SW
Washington, D.C. 20460

- 12) Used chlorofluorocarbon refrigerants from totally enclosed heat transfer equipment, including mobile air conditioning systems, mobile refrigeration, and commercial and industrial air conditioning and refrigeration systems, which use chlorofluorocarbons as the heat transfer fluid in a refrigeration cycle, provided the refrigerant is reclaimed for further use.
- 13) This subsection should contain the equivalent of 40 CFR 261.4(b)(13), which USEPA has not yet adopted.
- 14) This subsection should contain the equivalent of 40 CFR 261.4(b)(14), which USEPA has not yet adopted.
- 15) Non-terne plated used oil filters which are not mixed with wastes listed in Subpart D of this Part, if these oil filters have been gravity hot-

drained using one of the following methods:

- A) Puncturing the filter anti-drain back valve or the filter dome end and hot-draining;
- B) Hot-draining and crushing;
- C) Dismantling and hot-draining; or,
- D) Any other equivalent hot-draining method which will remove used oil.

c) Hazardous wastes which are exempted from certain regulations. A hazardous waste which is generated in a product or raw material storage tank, a product or raw material transport vehicle or vessel, a product or raw material pipeline, or in a manufacturing process unit or an associated non-waste-treatment manufacturing unit, is not subject to regulation under 35 Ill. Adm. Code 702, 703, 705 and 722 through 725 and 728 or to the notification requirements of Section 3010 of RCRA until it exits the unit in which it was generated, unless the unit is a surface impoundment, or unless the hazardous waste remains in the unit more than 90 days after the unit ceases to be operated for manufacturing, or for storage or transportation of product or raw materials.

d) Samples

- 1) Except as provided in subsection (d)(2) below, a sample of solid waste or a sample of water, soil or air, which is collected for the sole purpose of testing to determine its characteristics or composition, is not subject to any requirements of this Part or 35 Ill. Adm. Code 702, 703, 705 and 722 through 728. The sample qualifies when:
 - A) The sample is being transported to a laboratory for the purpose of testing; or
 - B) The sample is being transported back to the sample collector after testing; or
 - C) The sample is being stored by the sample collector before transport to a laboratory for testing; or
 - D) The sample is being stored in a laboratory

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before testing; or

- E) The sample is being stored in a laboratory for testing but before it is returned to the sample collector; or
- F) The sample is being stored temporarily in the laboratory after testing for a specific purpose (for example, until conclusion of a court case or enforcement action where further testing of the sample may be necessary).

2) In order to qualify for the exemption in

subsection (d)(1)(A) and (B) above, a sample collector shipping samples to a laboratory and a laboratory returning samples to a sample collector must:

- A) Comply with U.S. Department of Transportation (DOT), U.S. Postal Service (USPS) or any other applicable shipping requirements; or
- B) Comply with the following requirements if the sample collector determines that DOT, USPS or other shipping requirements do not apply to the shipment of the sample:
 - i) Assure that the following information accompanies the sample: The sample collector's name, mailing address and telephone number; the laboratory's name, mailing address and telephone number; the quantity of the sample; the date of the shipment; and a description of the sample.
 - ii) Package the sample so that it does not leak, spill or vaporize from its packaging.

- 3) This exemption does not apply if the laboratory determines that the waste is hazardous but the laboratory is no longer meeting any of the conditions stated in subsection (d)(1) above.

e) Treatability study samples.

- 1) Except as is provided in subsection (e)(2) below,

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persons who generate or collect samples for the purpose of conducting treatability studies, as defined in 35 Ill. Adm. Code 720.110, are not subject to any requirement of 35 Ill. Adm. Code 721 through 723 or to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act. Nor are such samples included in the quantity determinations of Section 721.105 and 35 Ill. Adm. Code 722.134(d) when:

- A) The sample is being collected and prepared for transportation by the generator or sample collector; or,
- B) The sample is being accumulated or stored by the generator or sample collector prior to transportation to a laboratory or testing facility; or
- C) The sample is being transported to the laboratory or testing facility for the purpose of conducting a treatability study.

2)

The exemption in subsection (e)(1) above, is applicable to samples of hazardous waste being collected and shipped for the purpose of conducting treatability studies provided that:

- A) The generator or sample collector uses (in "treatability studies") no more than 1000 kg of any non-acute hazardous waste, 1 kg of acute hazardous waste or 250 kg of soils, water or debris contaminated with acute hazardous waste for each process being evaluated for each generated wastestream; and
- B) The mass of each shipment does not exceed 1000 kg of non-acute hazardous waste, 1 kg of acute hazardous waste or 250 kg of soils, water or debris contaminated with acute hazardous waste; and
- C) The sample must be packaged so that it does not leak, spill or vaporize from its packaging during shipment and the requirements of subsections (e)(2)(C)(i) or (ii), below, are met.

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basis, for quantity limits in excess of those specified in subsection (e)(2)(A)7 above, for up to an additional 500 kg of any non-acute hazardous waste, 1 kg of acute hazardous waste and 250 kg of soils, water or debris contaminated with acute hazardous waste, to conduct further treatability study evaluation when: There has been an equipment or mechanical failure during the conduct of the treatability study; there is need to verify the results of a previously conducted treatability study; there is a need to study and analyze alternative techniques within a previously evaluated treatment process; or, there is a need to do further evaluation of an ongoing treatability study to determine final specifications for treatment. The additional quantities allowed are subject to all the provisions in subsections (e)(1) and (e)(2)(B) through (F), above. The generator or sample collector must apply to the Agency and provide in writing the following information:

- A) The reason why the generator or sample collector requires additional quantity of sample for the treatability study evaluation and the additional quantity needed;
- B) Documentation accounting for all samples of hazardous waste from the wastestream which have been sent for or undergone treatability studies, including the date each previous sample was shipped, the quantity of each previous shipment, the laboratory or testing facility to which it was shipped, what treatability study processes were conducted on each sample shipped, and the available results of each treatability study;
- C) A description of the technical modifications or change in specifications which will be evaluated and the expected results;
- D) If such further study is being required due to equipment or mechanical failure, the applicant must include information regarding the reason for the failure or breakdown and also include what procedures or equipment have been made to protect against further breakdowns; and,

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- i) The transportation of each sample shipment complies with U.S. Department of Transportation (DOT), U.S. Postal Service (USPS) or any other applicable shipping requirements; or
- ii) If the DOT, USPS or other shipping requirements do not apply to the shipment of the sample, the following information must accompany the sample: The name, mailing address and telephone number of the originator of the sample; the name, address and telephone number of the facility that will perform the treatability study; the quantity of the sample; the date of the shipment; and, a description of the sample, including its USEPA hazardous waste number.

- D) The sample is shipped to a laboratory or testing facility which is exempt under subsection (f)7 below, or has an appropriate RCRA permit or interim status.
- E) The generator or sample collector maintains the following records for a period ending 3 years after completion of the treatability study:
 - i) Copies of the shipping documents;
 - ii) A copy of the contract with the facility conducting the treatability study;
 - iii) Documentation showing: The amount of waste shipped under this exemption; the name, address and USEPA identification number of the laboratory or testing facility that received the waste; the date the shipment was made; and, whether or not unused samples and residues were returned to the generator.
- F) The generator reports the information required in subsection (e)(2)(E)(iii)7 above in its report under 35 Ill. Adm. Code 122.141.
- 1) The Agency may grant requests, on a case-by-case

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- E) Such other information as the Agency determines is necessary.
- 4) Final Agency determinations pursuant to this subsection may be appealed to the Board.
- f) Samples undergoing treatability studies at laboratories or testing facilities. Samples undergoing treatability studies and the laboratory or testing facility conducting such treatability studies (to the extent such facilities are not otherwise subject to RCRA requirements) are not subject to any requirement of this Part, or of 35 Ill. Adm. Code 702, 703, 705, 722 through 726, and 728, or to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act, provided that the requirements of subsections (f)(1) through (f)(11), below, are met. A mobile treatment unit may qualify as a testing facility subject to subsections (f)(1) through (f)(11), below. Where a group of mobile treatment units are located at the same site, the limitations specified in subsections (f)(1) through (f)(11), below, apply to the entire group of mobile treatment units collectively as if the group were one mobile treatment unit.
- 1) No less than 45 days before conducting treatability studies, the facility notifies the Agency in writing that it intends to conduct treatability studies under this subsection.
 - 2) The laboratory or testing facility conducting the treatability study has a USEPA identification number.
 - 3) No more than a total of 250 kg of "as received" hazardous waste is subjected to initiation of treatability studies in any single day. "As received" waste refers to the waste as received in the shipment from the generator or sample collector.
 - 4) The quantity of "as received" hazardous waste stored at the facility for the purpose of evaluation in treatability studies does not exceed 1000 kg, the total of which can include 500 kg of soils, water or debris contaminated with acute hazardous waste or 1 kg of acute hazardous waste. This quantity limitation does not include:

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- A) Treatability study residues; and,
 - B) Treatment materials (including nonhazardous solid waste) added to "as received" hazardous waste.
- 5) No more than 90 days have elapsed since the treatability study for the sample was completed, or no more than one year has elapsed since the generator or sample collector shipped the sample to the laboratory or testing facility, whichever date first occurs.
 - 6) The treatability study does not involve the placement of hazardous waste on the land or open burning of hazardous waste.
 - 7) The facility maintains records for 3 years following completion of each study that show compliance with the treatment rate limits and the storage time and quantity limits. The following specific information must be included for each treatability study conducted:
 - A) The name, address and USEPA identification number of the generator or sample collector of each waste sample;
 - B) The date the shipment was received;
 - C) The quantity of waste accepted;
 - D) The quantity of "as received" waste in storage each day;
 - E) The date the treatment study was initiated and the amount of "as received" waste introduced to treatment each day;
 - F) The date the treatability study was concluded;
 - G) The date any unused sample or residues generated from the treatability study were returned to the generator or sample collector or, if sent to a designated facility, the name of the facility and the USEPA identification number.

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- 8) The facility keeps, on-site, a copy of the treatability study contract and all shipping papers associated with the transport of treatability study samples to and from the facility for a period ending 3 years from the completion date of each treatability study.
- 9) The facility prepares and submits a report to the Agency by March 15 of each year that estimates the number of studies and the amount of waste expected to be used in treatability studies during the current year, and includes the following information for the previous calendar year:
- The name, address and USEPA identification number of the facility conducting the treatability studies;
 - The types (by process) of treatability studies conducted;
 - The names and addresses of persons for whom studies have been conducted (including their USEPA identification numbers);
 - The total quantity of waste in storage each day;
 - The quantity and types of waste subjected to treatability studies;
 - When each treatability study was conducted;
 - The final disposition of residues and unused sample from each treatability study;
- 10) The facility determines whether any unused sample or residues generated by the treatability study are hazardous waste under Section 721.103 and, if so, are subject to 35 Ill. Adm. Code 702, 703 and 721 through 728, unless the residues and unused samples are returned to the sample originator under the subsection (e) exemption, above.
- 11) The facility notifies the Agency by letter when the facility is no longer planning to conduct any treatability studies at the site.

(Source: Amended at 17 Ill. Reg. 5650, effective

SUBPART B: CRITERIA FOR IDENTIFYING THE CHARACTERISTICS OF HAZARDOUS WASTE AND FOR LISTING HAZARDOUS WASTES

Section 721.111 Criteria for Listing Hazardous Waste

- a) USEPA lists a solid waste as a hazardous waste only upon determining that the solid waste meets one of the following criteria:
- It exhibits any of the characteristics of hazardous waste identified in Subpart C of this Part; or
 - Acute hazardous waste. It has been found to be fatal to humans in low doses or, in the absence of data on human toxicity, it has been shown in studies to have an oral LD 50 toxicity (rat) of less than 50 mg/kg, an inhalation LC 50 toxicity (rat) of less than 2 mg/L, or a dermal LD 50 toxicity (rabbit) of less than 200 mg/kg or is otherwise capable of causing or significantly contributing to an increase in serious irreversible or incapacitating reversible, illness.

BOARD NOTE: Waste listed in accordance with these criteria are designated Acute Hazardous Waste.

- 3) Toxic waste. It contains any of the toxic constituents listed in Appendix H and, after considering any of the following factors, USEPA concludes that the waste is capable of posing a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported or disposed of, or otherwise managed:

BOARD NOTE: Substances are listed in Appendix H only if they have been shown in scientific studies to have toxic, carcinogenic, mutagenic or teratogenic effects on humans or other life forms.

- The nature of the toxicity presented by the constituent.
- The concentration of the constituent in the waste.

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- C) The potential of the constituent or any toxic degradation product of the constituent to migrate from the waste into the environment under the types of improper management considered in subsection (a)(3)(G).
- D) The persistence of the constituent or any toxic degradation product of the constituent.
- E) The potential for the constituent or any toxic degradation product of the constituent to degrade into nonharmful constituents and the rate of degradation.
- F) The degree to which the constituent or any degradation product of the constituent bioaccumulates in ecosystems.
- G) The plausible types of improper management to which the waste could be subjected.
- H) The quantities of the waste generated at individual generation sites or on a regional or national basis.
- I) The nature and severity of the human health and environmental damage that has occurred as a result of the improper management of the wastes containing the constituent.
- J) Action taken by other governmental agencies or regulatory programs based on the health or environmental hazard posed by the waste or waste constituent.
- K) Such other factors as may be appropriate.

BOARD NOTE: Wastes listed in accordance with these criteria are designated toxic wastes.

- b) USEPA may list classes or types of solid waste as hazardous waste if USEPA has reason to believe that individual wastes, within the class or type of waste, typically or frequently are hazardous under the definition of hazardous waste found in Section 1004(5) of the Resource Conservation and Recovery Act (42 USC 6901 et seq.)
- c) USEPA will use the criteria for listing specified in

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this Section to establish the exclusion limits referred to in Section 721.105(c).

(Source: Amended at 17 Ill. Reg. 5650, effective March 26, 1993)

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1) Heading of the Part: INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

Act [5 ILCS 100/1-1 et seq.] (APA) provide that this matter shall not be subject to first notice or to second notice review by JCAR.

2) Code Citation: 35 Ill. Adm. Code 725

11) Difference(s) between proposal and final version:

3) Section Numbers:

Section

Discussion

725.113 Amendment
725.115 Amendment
725.119 New Section
725.173 Amendment
725.321 Amendment
725.322 Repealed, New
725.323 Repealed, New
725.324 New Section
725.326 Amendment
725.328 Amendment
725.354 New Section
725.355 New Section
725.359 New Section
725.360 Amendment
725.401 Repealed, New
725.402 New Section
725.403 New Section
725.404 Amendment
725.410 Amendment
725.543 Amendment

725.113 et seq. "Above" or "below" added after each subsection reference.

725.322 et seq. Section source notes reworded for previously repealed Sections.

725.323(c) "Either" moved; new grouping text added.

"Either" moved; new grouping text added.

725.359(c) "Either" moved; new grouping text added.

"Either" moved; new grouping text added.

725.403(c) "Either" moved; new grouping text added.

"Either" moved; new grouping text added.

725.543(a) Board Note revised, extending certain stays until R93-4.

Board Note revised, extending certain stays until R93-4.

12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that this matter shall not be subject to first notice or to second notice review by JCAR.

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111 $\frac{1}{2}$, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27].

13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.

5) Effective Date of Amendments: March 26, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

14) Are there any amendments pending on this Part? No.

7) Does this amendment contain incorporations by reference? No.

15) Summary and Purpose of Rule(s):

The Board adopted an Opinion and Order in this matter, R92-10, on January 21, 1993, supplemented March 11, 1993. A copy of the Opinion and supplement are available from the address below.

9) Notice(s) of Proposal Published in Illinois Register:
November 6, 1992; 16 Ill. Reg. 16831

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1022.4(a) [415 ILCS 5/22.4(a)]) requires the Board to adopt regulations which are "identical in substance" to regulations adopted by USEPA to implement Sections 3001 through 3005 of the Resource Conservation and Recovery Act. The USEPA regulations, which

10) Has JCAR issued a Statement of Objections to this (these) Rule(s)?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the Illinois Administrative Procedure

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deal with hazardous waste, are found at 40 CFR 260 through 270. The equivalent Board regulations are in 35 Ill. Adm. Code 702, 703, 705 and 720 through 728.

The term "identical in substance" is defined in Section 7.2 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2. par. 1007.2 [415 ILCS 5/7.2]). Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that Section 5-35 of the APA does not apply. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's hazardous waste regulations to correspond with USEPA amendments appearing in the Federal Register during the period January 1 through June 30, 1992. These include the liner and leak detection system ("LDS") rules at 57 Fed. Reg. 3486, January 29, 1992.

SectionDiscussion

725.119(a)

Construction quality assurance (CQA) required for certain units in connection with the LDS rules. CQA program must assure that specifications meet the requirements of Part 725.

725.321(c)

Exemption for replacement units built according to former State rules which implemented HSWA requirements.

725.322(c)

Alternative sump level monitoring frequency is available only following closure.

725.324

USEPA inadvertently repealed the text of existing 40 CFR 265.223. Board has retained the text under this new Section number.

725.326(c)

Proposed pump operating level required as a permit-type application.

725.328(b)(2)

Maintenance and monitoring conditions for permitted facilities referenced.

725.354

Notice requirement, drawn from 40 CFR 265.221(b), added to complete the reference in Section 725.355.

725.355(c)

Modified sump monitoring frequency is not

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available for waste piles, which must close by removal of wastes and residues.

725.401(c) Exemption for replacement units built according to former State rules which implemented HSWA requirements.

725.543(a)(4)

Stay of the requirement that existing interim status wood preserving drip pads be impermeable. USEPA terminated the stays for new wood preserving pads at 57 Fed. Reg. 61492, December 24, 1992. Board is extending the stay of the State rules until the Board is able to address the accompanying revisions to the wood preserving rules in R93-4.

16) Information and questions regarding this adopted amendment shall be directed to:

Morton F. Dorothy
Illinois Pollution Control Board
104 W. University
Urbana, IL 61801

217/ 333-5575

The full text of the adopted amendments begins on the following page:

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TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 725

INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART A: GENERAL PROVISIONS

Section	
725.101	Purpose, Scope and Applicability
725.104	Imminent Hazard Action

SUBPART B: GENERAL FACILITY STANDARDS

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725.110	Applicability
725.111	USEPA Identification Number
725.112	Required Notices
725.113	General Waste Analysis
725.114	Security
725.115	General Inspection Requirements
725.116	Personnel Training
725.117	General Requirements for Ignitable, Reactive or Incompatible Wastes
725.118	Location Standards
725.119	Construction Quality Assurance Program

SUBPART C: PREPAREDNESS AND PREVENTION

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725.130	Applicability
725.131	Maintenance and Operation of Facility
725.132	Required Equipment
725.133	Testing and Maintenance of Equipment
725.134	Access to Communications or Alarm System
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725.137	Arrangements with Local Authorities

SUBPART D: CONTINGENCY PLAN AND EMERGENCY PROCEDURES

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725.150	Applicability
725.151	Purpose and Implementation of Contingency Plan
725.152	Content of Contingency Plan
725.153	Copies of Contingency Plan
725.154	Amendment of Contingency Plan
725.155	Emergency Coordinator
725.156	Emergency Procedures

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725.170	Applicability
725.171	Use of Manifest System
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SUBPART F: GROUNDWATER MONITORING

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725.191	Groundwater Monitoring System
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SUBPART G: CLOSURE AND POST-CLOSURE

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725.213	Closure; Time Allowed for Closure
725.214	Disposal or Decontamination of Equipment, Structures and Soils
725.215	Certification of Closure
725.216	Survey Plat
725.217	Post-closure Care and Use of Property
725.218	Post-closure Plan; Amendment of Plan
725.219	Post-Closure Notices
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725.248	Incapacity of Owners or Operators, Guarantors or Financial Institutions
725.251	Promulgation of Forms (Repealed)

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 725.272 Compatibility of Waste with Container
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 725.291 Assessment of Existing Tank System's Integrity
 725.292 Design and Installation of New Tank Systems or Components
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725.357 Special Requirements for Incompatible Wastes
 725.358 Closure and Post-Closure Care
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 725.370 Applicability
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 725.440 Applicability
 725.441 Waste Analysis
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SUBPART P: THERMAL TREATMENT

Section
 725.470 Other Thermal Treatment
 725.473 General Operating Requirements
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725.481 Closure
 725.482 Open Burning; Waste Explosives
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Section

725.500 Applicability
 725.501 General Operating Requirements
 725.502 Waste Analysis and Trial Tests
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SUBPART R: UNDERGROUND INJECTION

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725.530 Applicability

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Section

725.540 Applicability
 725.541 Assessment of existing drip pad integrity
 725.542 Design and installation of new drip pads
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SUBPART AA: AIR EMISSION STANDARDS FOR PROCESS VENTS

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725.930 Applicability
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SUBPART BB: AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS

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725.950 Applicability
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725.959 Flanges and Other Connectors
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 725.961 Standards: Closed-vent Systems and Control Devices
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 725.963 Test Methods and Procedures
 725.964 Recordkeeping Requirements

725. Appendix A Recordkeeping Instructions
 725. Appendix B EPA Report Form and Instructions (Repealed)
 725. Appendix C EPA Interim Primary Drinking Water Standards
 725. Appendix D Tests for Significance
 725. Appendix E Examples of Potentially Incompatible Waste

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111-1/2, pars. 1022.4 and 1027) [415 ILCS 5/22.4 and 27].

SOURCE: Adopted in R81-22, 43 PCB 427, at 5 Ill. Reg. 9781, effective as noted in 35 Ill. Adm. Code 700.106; amended and codified in R81-22, 45 PCB 317, at 6 Ill. Reg. 4828, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-18, 51 PCB 831, at 7 Ill. Reg. 2518, effective February 22, 1983; amended in R82-19, 53 PCB 131, at 7 Ill. Reg. 14034, effective October 12, 1983; amended in R84-9, at 9 Ill. Reg. 11869, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 1085, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 14069, effective August 12, 1986; amended in R86-28 at 11 Ill. Reg. 6044, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13489, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19338, effective November 10, 1987; amended in R87-26 at 12 Ill. Reg. 2485, effective January 15, 1988; amended in R87-39 at 12 Ill. Reg. 13027, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 437, effective December 28, 1988; amended in R89-1 at 13 Ill. Reg. 18354, effective November 13, 1989; amended in R90-10 at 14 Ill. Reg. 14447, effective August 22, 1990; amended in R90-14 at 15 Ill. Reg. 16498, effective September 25, 1990; amended in R91-11 at 15 Ill. Reg. 9398, effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14534, effective October 1, 1991; amended in R91-13 at 16 Ill. Reg. 9578, effective June 9, 1992; amended in R92-1 at 16 Ill. Reg. 17672, effective November 6, 1992; amended in R92-10 at 17 Ill. Reg. 5681, effective March 26, 1993.

SUBPART B: GENERAL FACILITY STANDARDS

Section 725.113 General Waste Analysis

a) Waste analysis:

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- 1) Before an owner or operator treats, stores or disposes of any hazardous wastes, or non-hazardous wastes if applicable under Section 725.213(d), the owner or operator shall obtain a detailed chemical and physical analysis of a representative sample of the wastes. At a minimum, ~~the~~ the analysis must contain all the information which must be known to treat, store or dispose of the waste in accordance with ~~the requirements of~~ this Part and 35 Ill. Adm. Code 728.
- 2) The analysis may include data developed under 35 Ill. Adm. Code 721 and existing published or documented data on the hazardous waste or on waste generated from similar processes.

BOARD NOTE: For example, the facility's record of analyses performed on the waste before the effective date of these regulations or studies conducted on hazardous waste generated from processes similar to that which generated the waste to be managed at the facility may be included in the data base required to comply with subsection (a)(1), above, except as otherwise specified in 35 Ill. Adm. Code 728.107(b) and (c). The owner or operator of an off-site facility may arrange for the generator of the hazardous waste to supply part or all of the information required by subsection (a)(1), above. If the generator does not supply the information and the owner or operator chooses to accept a hazardous waste, the owner or operator is responsible for obtaining the information required to comply with this Section.

- 3) The analysis must be repeated as necessary to ensure that it is accurate and up to date. At a minimum, the analysis must be repeated:
 - A) When the owner or operator is notified, or has reason to believe, that the process or operation generating the hazardous waste, or non-hazardous waste if applicable under Section 725.213(d), has changed; and
 - B) For off-site facilities, when the results of the inspection required in subsection (a)(4),

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below, indicate that the hazardous waste received at the facility does not match the waste designated on the accompanying manifest or shipping paper.

- 4) The owner or operator of an off-site facility shall inspect and, if necessary, analyze each hazardous waste movement received at the facility to determine whether it matches the identity of the waste specified on the accompanying manifest or shipping paper.
 - b) The owner or operator shall develop and follow a written waste analysis plan which describes the procedures which the owner or operator will carry out to comply with subsection (a), above. The owner or operator shall keep this plan at the facility. At a minimum, the plan must specify:
 - 1) The parameters for which each hazardous waste, or non-hazardous waste if applicable under Section 725.213(d), will be analyzed and the rationale for the selection of these parameters (i.e., how analysis for these parameters will provide sufficient information on the waste's properties to comply with subsection (a), above.
 - 2) The test methods which will be used to test for these parameters.
 - 3) The sampling method which will be used to obtain a representative sample of the waste to be analyzed. A representative sample may be obtained using either:
 - A) One of the sampling methods described in 35 Ill. Adm. Code 721. Appendix A or
 - B) An equivalent sampling method.
- BOARD NOTE: See 35 Ill. Adm. Code 720.120(c) for related discussion.
- 4) The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up-to-date.
 - 5) For off-site facilities, the waste analyses that hazardous waste generators have agreed to supply.

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6) Where applicable, the methods which will be used to meet the additional waste analysis requirements for specific waste management methods as specified in Sections 725.300, 725.325, 725.352, 725.373, 725.414, 725.441, 725.475, 725.502, 725.934(d) and 725.963(d), and 35 Ill. Adm. Code 728.107. And,

7) For surface impoundments exempted from land disposal restrictions under 35 Ill. Adm. Code 728.104(a), the procedures and schedules for:

- A) The sampling of impoundment contents;
- B) The analysis of test data; and,
- C) The annual removal of residues which are not delisted under 35 Ill. Adm. Code 720.122 or which exhibit a characteristic of hazardous waste, and either:
 - i) Do not meet applicable treatment standards of 35 Ill. Adm. Code 728.Subpart D; or
 - ii) Where no treatment standards have been established: Such residues are prohibited from land disposal under 35 Ill. Adm. Code 728.132 or 728.139; or such residues are prohibited from land disposal under 35 Ill. Adm. Code 728.133(f).

c) For off-site facilities, the waste analysis plan required in subsection (b), above, must also specify the procedures which will be used to inspect and, if necessary, analyze each movement of hazardous waste received at the facility to ensure that it matches the identity of the waste designated on the accompanying manifest or shipping paper. At a minimum, the plan must describe:

- 1) The procedures which will be used to determine the identity of each movement of waste managed at the facility; and
- 2) The sampling method which will be used to obtain a representative sample of the waste to be identified, if the identification method includes

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sampling.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993.)

Section 725.115 General Inspection Requirements

a) The owner or operator shall inspect the facility for malfunctions and deterioration, operator errors and discharges which may be causing -- or may lead to -- the conditions listed below. The owner or operator shall conduct these inspections often enough to identify problems in time to correct them before they harm human health or the environment.

- 1) Release of hazardous waste constituents to the environment or
 - 2) A threat to human health.
- b) Written schedule.
- 1) The owner or operator shall develop and follow a written schedule for inspecting all monitoring equipment, safety and emergency equipment, security devices and operating and structural equipment (such as dikes and sump pumps) that are important to preventing, detecting or responding to environmental or human health hazards.
 - 2) The owner or operator shall keep this schedule at the facility.

3) The schedule must identify the types of problems (e.g., malfunctions or deterioration) which are to be looked for during the inspection (e.g., inoperative sump pump, leaking fitting, eroding dike, etc.).

4) The frequency of inspection may vary for the items on the schedule. However, it should be based on the rate of ~~possible~~ deterioration of the equipment and the probability of an environmental or human health incident if the deterioration, or malfunction or any operator error goes undetected between inspections. Areas subject to spills, such as loading and unloading areas, must be inspected daily when in use. At a minimum, the inspection schedule must include the items and

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frequencies called for in Sections 725.274, 725.293, 725.295, 725.326, 725.326, 725.360, 725.378, 725.404, 725.447, 725.477, 725.503, 725.933, 725.952, 725.953 and 725.958, where applicable.

c) The owner or operator shall remedy any deterioration or malfunction of equipment or structure which the inspection reveals on a schedule which ensures that the problem does not lead to an environmental or human health hazard. Where a hazard is imminent or has already occurred, remedial action must be taken immediately.

d) The owner or operator shall record inspections in an inspection log or summary. The owner or operator shall keep these records for at least three years from the date of inspection. At a minimum, these records must include the date and time of the inspection, the name of the inspector, a notation of the observations made and the date and nature of any repairs or other remedial actions.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993.)

Section 725.119 Construction Quality Assurance Program

a) COA program.

1) A construction quality assurance (COA) program is required for all surface impoundment, waste pile and landfill units that are required to comply with Sections 725.321(a), 725.354 and 725.401(a). The program must ensure that the constructed unit meets or exceeds all design criteria and specifications in this Part. The program must be developed and implemented under the direction of a COA officer who is a registered professional engineer.

2) The COA program must address the following physical components, where applicable:

- A) Foundations;
- B) Dikes;
- C) Low-permeability soil liners;

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- D) Geomembranes (flexible membrane liners);
- E) Leachate collection and removal systems and leak detection systems; and
- F) Final cover systems.

b) Written COA plan. Before construction begins on a unit subject to the COA program under subsection (a) above, the owner or operator shall develop a written COA plan. The plan must identify steps that will be used to monitor and document the quality of materials and the condition and manner of their installation. The COA plan must include:

- 1) Identification of applicable units and a description of how they will be constructed.
- 2) Identification of key personnel in the development and implementation of the COA plan, and COA officer qualifications.
- 3) A description of inspection and sampling activities for all unit components identified in subsection (a)(2) above, including observations and tests that will be used before, during and after construction to ensure that the construction materials and the installed unit components meet the design specifications. The description must cover: Sampling size and locations; frequency of testing; data evaluation procedures; acceptance and rejection criteria for construction materials; plans for implementing corrective measures; and data or other information to be recorded and retained in the operating record under Section 725.173.

c) Contents of program.

- 1) The COA program must include observations, inspections, tests and measurements sufficient to ensure:
 - A) Structural stability and integrity of all components of the unit identified in subsection (a)(2) above;
 - B) Proper construction of all components of the liners, leachate collection and removal

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system, leak detection system and final cover system, according to permit specifications and good engineering practices, and proper installation of all components (e.g., pipes) according to design specifications;

SUBPART E: MANIFEST SYSTEM, RECORDKEEPING AND REPORTING

Section 725.173 Operating Record

- a) The owner or operator shall keep a written operating record at the facility.
- b) The following information must be recorded as it becomes available and maintained in the operating record until closure of the facility.

- 1) A description and the quantity of each hazardous waste received and the method or methods and date or dates of its treatment, storage or disposal at the facility as required by Appendix A;
- 2) The location of each hazardous waste within the facility and the quantity at each location. For disposal facilities the location and quantity of each hazardous waste must be recorded on a map or diagram of each cell or disposal area. For all facilities this information must include cross-references to specific manifest document numbers if the waste was accompanied by a manifest;

- d) Certification. The owner or operator of units subject to this Section must submit to the Agency by certified mail or hand delivery, at least 30 days prior to receiving waste, a certification signed by the COA officer that the COA plan has been successfully carried out and that the unit meets the requirements of Sections 725.321(a), 725.354 or 725.401(a). The owner or operator may receive waste in the unit after 30 days from the Agency's receipt of the COA certification unless the Agency determines in writing that the construction is not acceptable, or extends the review period for a maximum of 30 more days, or seeks additional information from the owner or operator during this period. Documentation supporting the COA officer's certification must be furnished to the Agency upon request.

- e) Final Agency determinations pursuant to this Section are deemed to be permit denials for purposes of appeal to the Board pursuant to Section 40 of the Environmental Protection Act.

(Source: Added at 17 Ill. Reg. 5681, effective March 26, 1993)

BOARD NOTE: See Sections 725.219, 725.379 and 725.409 for related requirements.

- 3) Records and results of waste analysis and trial tests performed as specified in Sections 725.113, 725.300, 725.325, 725.352, 725.373, 725.414, 725.441, 725.475, 725.502, 725.934 and 725.963 and 35 Ill. Adm. Code 728.104(a) and 728.107;
- 4) Summary reports and details of all incidents that require implementing the contingency plan as specified in Section 725.156(j);
- 5) Records and results of inspections as required by Sections 725.115(d) (except these data need be kept only three years);
- 6) Monitoring, testing or analytical data and corrective action data where required by Subpart F or Sections 725.119, 725.190, 725.194, 725.291, 725.293, 725.295, 725.322, 725.323, 725.326, 725.355, 725.359, 725.360, 725.376, 725.378, 725.380(d)(1), 725.402 through 725.404, 725.447, 725.477, 725.934(c) through (f), 725.935,

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725.963(d) through (i) and or 725.964;

BOARD NOTE: As required by Section 725.194, monitoring data at disposal facilities must be kept throughout the post-closure period.

- 7) All closure cost estimates under Section 725.242 and, for disposal facilities, all post-closure cost estimates under Section 725.244;
- 8) Records of the quantities (and date of placement) for each shipment of hazardous waste placed in land disposal units under an extension of the effective date of any land disposal restriction granted pursuant to 35 Ill. Adm. Code 728.105, a petition pursuant to 35 Ill. Adm. Code 728.106 or a certification under 35 Ill. Adm. Code 728.108, and the applicable notice required of a generator under 35 Ill. Adm. Code 728.107(a);
- 9) For an off-site treatment facility, a copy of the notice, and the certification and demonstration, if applicable, required of the generator or the owner or operator under 35 Ill. Adm. Code 728.107 or 728.108;
- 10) For an on-site treatment facility, the information contained in the notice (except the manifest number), and the certification and demonstration, if applicable, required of the generator or the owner or operator under 35 Ill. Adm. Code 728.107 or 728.108;
- 11) For an off-site land disposal facility, a copy of the notice, and the certification and demonstration, if applicable, required of the generator or the owner or operator of a treatment facility under 35 Ill. Adm. Code 728.107 or 728.108, whichever is applicable; and
- 12) For an on-site land disposal facility, the information contained in the notice required of the generator or owner or operator of a treatment facility under 35 Ill. Adm. Code 728.107, except for the manifest number, and the certification and demonstration, if applicable, required under 35 Ill. Adm. Code 728.108, whichever is applicable.
- 13) For an off-site storage facility, a copy of the

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notice, and the certification and demonstration if applicable, required of the generator or the owner or operator under 35 Ill. Adm. Code 728.107 or 728.108; and,

- 14) For an on-site storage facility, the information contained in the notice (except the manifest number), and the certification and demonstration if applicable, required of the generator or the owner or operator under 35 Ill. Adm. Code 728.107 or 728.108.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993.)

SUBPART K: SURFACE IMPOUNDMENTS

Section 725.321 Design and Operating Requirements

- a) ~~The owner or operator of a surface impoundment must install two or more liners and leachate collection system in accordance with 35 Ill. Adm. Code 724.321(e)7 with respect to each new unit, replacement of an existing unit, or lateral expansion of an existing unit that is within the area identified in the Part A permit application, and with respect to waste received beginning May 8, 1995. The owner or operator of each new surface impoundment unit on which construction commences after January 29, 1992, each lateral expansion of a surface impoundment unit on which construction commences after July 29, 1992, and each replacement of an existing surface impoundment unit that is to commence reuse after July 29, 1992, shall install two or more liners and a leachate collection and removal system between such liners, and operate the leachate collection and removal system, in accordance with 35 Ill. Adm. Code 724.321(c), unless exempted under 35 Ill. Adm. Code 724.321(d), (e) or (f).~~
"Construction commences" is as defined in 35 Ill. Adm. Code 720.110 under "existing facility."
- b) The owner or operator of each unit referred to in subsection (a) above ~~must~~ shall notify the Agency at least sixty days prior to receiving waste. The owner or operator of each facility submitting notice ~~must~~ shall file a Part B application within six months of the receipt of such notice.
- c) ~~Subsection (a) will not apply if the owner or operator~~

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demonstrates to the Agency and the Agency finds for such surface impoundment, that alternative design and operating practices, together with location characteristics, will prevent the migration of any hazardous constituent into the groundwater or surface water at least as effectively as such liners and leachate collection systems. The owner or operator of any replacement surface impoundment unit is exempt from subsection (a) above if:

- 1) The existing unit was constructed in compliance with the design standards of 35 Ill. Adm. Code 724.321(c), (d) and (e), as amended in R86-1, at 10 Ill. Reg. 14119, effective August 12, 1986; and

BOARD NOTE: The cited subsections implemented the design standards of sections 3004(o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act (42 U.S.C. 6901 et seq.).

- 2) There is no reason to believe that the liner is not functioning as designed.

- d) The double liner requirement Agency shall not require a double liner as set forth in subsection (a) above ~~may be waived by the Agency~~ for any monofill, if:

- 1) The monofill contains only hazardous wastes from foundry furnace emission controls or metal casting molding sand, and such wastes do not contain constituents which would render the wastes hazardous for reasons other than the toxicity characteristic in 35 Ill. Adm. Code 721.124, with USEPA hazardous waste numbers D004 through D017; and

- 2) No migration demonstration.

- A) Design and location requirements.

- i) The monofill has at least one liner for which there is no evidence that such liner is leaking. For the purposes of this subsection the term "liner" means a liner designed, constructed, installed and operated to prevent hazardous waste from passing into the liner at any time during the active life of the facility,

or a liner designed, constructed, installed and operated to prevent hazardous waste from migrating beyond the liner to adjacent subsurface soil, groundwater or surface water at any time during the active life of the facility. In the case of any surface impoundment which has been exempted from the requirements of subsection (a) above, of a liner designed, constructed, installed and operated to prevent hazardous waste from passing beyond the liner, at the closure of such impoundment the owner or operator ~~must~~ shall remove or decontaminate all waste residues, all contaminated liner material and contaminated soil to the extent practicable. If all contaminated soil is not removed or decontaminated, the owner or operator of such impoundment ~~must~~ shall comply with appropriate post-closure requirements, including but not limited to groundwater monitoring and corrective action;

- ii) The monofill is located more than one-quarter mile from an underground source of drinking water (as that term is defined in 35 Ill. Adm. Code 702.110); and

- iii) The monofill is in compliance with generally applicable groundwater monitoring requirements for facilities with RCRA permits; or,

- B) The owner or operator demonstrates to the Board that the monofill is located, designed and operated so as to assure that there will be no migration of any hazardous constituent into groundwater or surface water at any future time.

- e) In the case of any unit in which the liner and leachate collection system has been installed pursuant to the requirements of subsection (a) above, and in good faith compliance with subsection (a) and with guidance documents governing liners and leachate collection systems under subsection (a) above, ~~no the Agency shall~~

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not require a liner or leachate collection system which is different from that which was so installed pursuant to subsection (a) above will be required for such unit by the Agency when issuing the first permit to such facility, except that the Agency will not be is not precluded from requiring installation of a new liner when the Agency finds that any liner installed pursuant to the requirements of subsection (a) above is leaking.

f1 A surface impoundment must maintain enough freeboard to prevent any overtopping of the dike by overfilling, wave action or a storm. Except as provided in subsection (g), below, there must be at least 60 centimeters (2 feet) of freeboard.

g1 A freeboard level less than 60 centimeters (two feet) may be maintained if the owner or operator obtains certification by a qualified engineer that alternate design features or operating plans will, to the best of the engineer's knowledge and opinion, prevent overtopping of the dike. The certification, along with a written identification of alternate design features or operating plans preventing overtopping, must be maintained at the facility.

BOARD NOTE: Any point source discharge from a surface impoundment to waters of the State is subject to the requirements of Section 12 of the Environmental Protection Act. Spills may be subject to Section 311 of the Clean Water Act (33 U.S.C. 1251 et seq.)

f h) Refusal to grant an exemption or waiver, or grant with conditions, may be appealed to the Board.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.322 General Operating Requirements Action Leakage Rate

a) A surface impoundment must maintain enough freeboard to prevent any overtopping of the dike by overfilling, wave action or a storm. Except as provided in paragraph (b), there must be at least 60 centimeters (2 feet) of freeboard.

b) A freeboard level less than 60 centimeters (two feet) may be maintained if the owner or operator obtains

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certification by a qualified engineer that alternate design features or operating plans will, to the best of the engineer's knowledge and opinion, prevent overtopping of the dike. The certification, along with a written identification of alternate design features or operating plans preventing overtopping, must be maintained at the facility.

BOARD NOTE: Any point source discharge from a surface impoundment to waters of the State is subject to the requirements of Section 12 of the Illinois Environmental Protection Act, as amended. Spills may be subject to Section 311 of the Clean Water Act.

a) The owner or operator of surface impoundment units subject to Section 725.321(a) shall submit a proposed action leakage rate to the Agency when submitting the notice required under Section 725.321(b). Within 60 days of receipt of the notification, the Agency will: Establish an action leakage rate, either as proposed by the owner or operator or modified using the criteria in this Section; or extend the review period for up to 30 days. If no action is taken by the Agency before the original 60 or extended 90 day review periods, the action leakage rate will be approved as proposed by the owner or operator.

b) The Agency shall approve an action leakage rate for surface impoundment units subject to Section 725.321(a). The action leakage rate is the maximum design flow rate that the leak detection system (LDS) can remove without the fluid head on the bottom liner exceeding 1 foot. The action leakage rate must include an adequate safety margin to allow for uncertainties in the design (e.g., slope, hydraulic conductivity, thickness of drainage material), construction, operation and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS and proposed response actions (e.g., the action leakage rate must consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.).

c) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly or monthly flow rate from the monitoring data

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contained under Section 725.326(b) to an average daily flow rate (gallons per acre per day) for each sump. The average daily flow rate for each sump must be calculated weekly during the active life and closure period and, if the unit is closed in accordance with Section 725.328(a)(2), monthly during the post-closure care period, unless the Agency approves a different frequency pursuant to Section 725.326(b).

- d) Final Agency determinations pursuant to this Section are deemed to be permit denials for purposes of appeal to the Board pursuant to Section 40 of the Environmental Protection Act.

(Source: Section repealed, new Section added at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.323 Containment System Response Actions

All earthen dikes must have a protective cover, such as grass, shale or rock to minimize wind and water erosion and to preserve their structural integrity.

- a) The owner or operator of surface impoundment units subject to Section 725.321(a) shall submit a response action plan to the Agency when submitting the proposed action leakage rate under Section 725.322. The response action plan must set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan must describe the actions specified in subsection (b) below.

- b) If the flow rate into the LDS exceeds the action leakage rate for any sump, the owner or operator shall:

- 1) Notify the Agency in writing of the exceedence within 7 days of the determination;
- 2) Submit a preliminary written assessment to the Agency within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size and cause of any leaks, and short-term actions taken and planned;
- 3) Determine to the extent practicable the location, size and cause of any leak;
- 4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed

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from the unit for inspection, repairs or controls, and whether or not the unit should be closed;

- 5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and

- 6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Agency the results of the determinations specified in subsections (b)(3), (4) and (5) above, the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the LDS exceeds the action leakage rate, the owner or operator shall submit to the Agency a report summarizing the results of any remedial actions taken and actions planned.

- c) To make the leak or remediation determinations in subsections (b)(3), (4) and (5) above, the owner or operator shall either:

- 1) Perform the following assessments:

- A) Assess the source of liquids and amounts of liquids by source;
 - B) Conduct a fingerprint, hazardous constituent or other analyses of the liquids in the LDS to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and
 - C) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or
- 2) Document why such assessments are not needed.
- d) Final Agency determinations pursuant to this Section are deemed to be permit denials for purposes of appeal to the Board pursuant to Section 40 of the Environmental Protection Act.

(Source: Section repealed, new Section added at 17 Ill. Reg. 5681, effective March 26, 1993)

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All earthen dikes must have a protective cover, such as grass, shale or rock to minimize wind and water erosion and to preserve their structural integrity.

BOARD NOTE: This Section is derived from 40 CFR 265.223, which was inadvertently repealed at 57 Fed. Reg. 3486, January 29, 1992.

(Source: Added at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.326 Monitoring and Inspections

a) The owner or operator ~~must~~ shall inspect:

- a 1) The freeboard level at least once each operating day to ensure compliance with § Section 725.322; and
- b 2) The surface impoundment, including dikes and vegetation surrounding the dike, at least once a week to detect any leaks, deterioration or failures in the impoundment.

COMMENT-BOARD NOTE: As required by § Section 725.115(c), the owner or operator ~~must~~ shall remedy any deterioration or malfunction ~~be~~ the owner or operator finds.

b) LDS.

- 1) An owner or operator required to have a LDS under Section 725.321(a) shall record the amount of liquids removed from each LDS sump at least once each week during the active life and closure period.
- 2) After the final cover is installed, the amount of liquids removed from each LDS sump must be recorded at least monthly. If the liquid level in the sump stays below the pump operating level for two consecutive months, the amount of liquids in the sumps must be recorded at least quarterly. If the liquid level in the sump stays below the pump operating level for two consecutive quarters, the amount of liquids in the sumps must be recorded at least semi-annually. If at any time during the post-closure care period the pump operating level is exceeded at units on quarterly or semi-annual

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recording schedules, the owner or operator shall return to monthly recording of amounts of liquids removed from each sump until the liquid level again stays below the pump operating level for two consecutive months.

- 3) "Pump operating level" is a liquid level proposed by the owner or operator and approved by the Agency based on pump activation level, sump dimensions and level that avoids backup into the drainage layer and minimizes head in the sump. The timing for submission and approval of the proposed "pump operating level" will be in accordance with Section 725.322(a).

- c) Final Agency determinations pursuant to this Section are deemed to be permit denials for purposes of appeal to the Board pursuant to Section 40 of the Environmental Protection Act.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.328 Closure and Post-closure Care

a) At closure, the owner or operator shall:

- 1) Remove or decontaminate all waste residues, contaminated containment system components (liners, etc.), contaminated subsoils and structures and equipment contaminated with waste or leachate, and manage them as hazardous waste unless 35 Ill. Adm. Code 721.103(d) applies; or
- 2) Close the impoundment and provide post-closure care for a landfill under Subpart G and Section 725.410, including the following:
 - A) Eliminate free liquids by removing liquid wastes or solidifying the remaining wastes and waste residues;
 - B) Stabilize remaining wastes to a bearing capacity sufficient to support final cover; and
 - C) Cover the surface impoundment with a final cover designed and constructed to:

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- i) Provide long-term minimization of the migration of liquids through the closed impoundment;
 - ii) Function with minimum maintenance;
 - iii) Promote drainage and minimize erosion or abrasion of the cover;
 - iv) Accommodate settling and subsidence so that the cover's integrity is maintained; and
 - v) Have a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present.
- b) In addition to the requirements of Subpart G and Section 725.410, during the post-closure care period the owner or operator of a surface impoundment in which wastes, waste residues or contaminated materials remain after closure in accordance with subsection (a)(2) above shall:

- 1) Maintain the integrity and effectiveness of the final cover, including making repairs to the cover as necessary to correct the effects of settling, subsidence, erosion or other events;
- 2) Maintain and monitor the LDS in accordance with 35 Ill. Adm. Code 724.321(c)(2)(D) and (c)(3) and 725.326(b) and comply with all other applicable LDS requirements of this Part;
- 3) Maintain and monitor the groundwater monitoring system and comply with all other applicable requirements of Subpart F; and
- 4) Prevent run-on and run-off from eroding or damaging the final cover.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993)

SUBPART L: WASTE PILES

Section 725.354 Design and Operating Requirements

The owner or operator of a waste pile is subject to the

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requirements for liners and leachate collection systems or equivalent protection provided in 35 Ill. Adm. Code 724.351, with respect to each new unit, replacement of an existing unit, or lateral expansion of an existing unit that is within the area identified in the Part A permit application, and with respect to waste received beginning May 8, 1985, each new waste pile on which construction commences after January 29, 1992, each lateral expansion of a waste pile unit on which construction commences after July 29, 1992, and each such replacement of an existing waste pile unit that is to commence reuse after July 29, 1992, shall install two or more liners and a leachate collection and removal system above and between such liners and operate the leachate collection and removal systems, in accordance with 35 Ill. Adm. Code 724.351(c), unless exempted under 35 Ill. Adm. Code 724.351(d), (e) or (f); and shall comply with the procedures of Section 725.321(b). "Construction commences" is as defined in 35 Ill. Adm. Code 720.110 under "existing facility". The owner or operator of each unit referred to in this Section shall notify the Agency at least sixty days prior to receiving waste. The owner or operator of each facility submitting notice shall file a Part B application within six months of the receipt of such notice.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.355 Action Leakage Rates

a)

The owner or operator of waste pile units subject to Section 725.354 shall submit a proposed action leakage rate to the Agency when submitting the notice required under Section 725.354. Within 60 days of receipt of the notification, the Agency will: Establish an action leakage rate, either as proposed by the owner or operator or modified using the criteria in this section; or extend the review period for up to 30 days. If no action is taken by the Agency before the original 60 or extended 90 day review periods, the action leakage rate will be approved as proposed by the owner or operator.

b)

The Agency shall approve an action leakage rate for surface impoundment units subject to Section 725.354. The action leakage rate is the maximum design flow rate that the LDS can remove without the fluid head on the bottom liner exceeding 1 foot. The action leakage rate must include an adequate safety margin to allow for uncertainties in the design (e.g., slope, hydraulic conductivity, thickness of drainage material).

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construction, operation and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions (e.g., the action leakage rate must consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.).

c) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly flow rate from the monitoring data obtained under Section 725.360, to an average daily flow rate (gallons per acre per day) for each sump. The average daily flow rate for each sump must be calculated weekly during the active life and closure period.

d) Final Agency determinations pursuant to this Section are deemed to be permit denials for purposes of appeal to the Board pursuant to Section 40 of the Environmental Protection Act.

(Source: Added at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.352 Response Actions

a) The owner or operator of waste pile units subject to Section 725.354 shall submit a response action plan to the Agency when submitting the proposed action leakage rate under Section 725.355. The response action plan must set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan must describe the actions specified in subsection (b) below.

b) If the flow rate into the leak determination system exceeds the action leakage rate for any sump, the owner or operator shall:

- 1) Notify the Agency in writing of the exceedence within 7 days of the determination;
- 2) Submit a preliminary written assessment to the Agency within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size and cause of any leaks, and short-term actions taken and planned;

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3) Determine to the extent practicable the location, size and cause of any leak;

4) Determine whether waste receipts should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs or controls, and whether or not the unit should be closed;

5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and

6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Agency the results of the determinations specified in subsections (b)(3), (4) and (5) above, the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the LDS exceeds the action leakage rate, the owner or operator shall submit to the Agency a report summarizing the results of any remedial actions taken and actions planned.

c) To make the leak or remediation determinations in subsections (b)(3), (4) and (5) above, the owner or operator shall either:

1) Perform the following assessments:

- A) Assess the source of liquids and amounts of liquids by source;
- B) Conduct a fingerprint, hazardous constituent or other analyses of the liquids in the LDS to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and
- C) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or

2) Document why such assessments are not needed.

d) Final Agency determinations pursuant to this Section are deemed to be permit denials for purposes of appeal to the Board pursuant to Section 40 of the Environmental Protection Act.

Approved: _____
Secretary

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(Source: Added at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.360 Monitoring and Inspection

An owner or operator required to have a LDS under Section 725.354 shall record the amount of liquids removed from each LDS sump at least once each week during the active life and closure period.

(Source: Added at 17 Ill. Reg. 5681, effective March 26, 1993)

SUBPART N: LANDFILLS

Section 725.401 Design Requirements

- a) The owner or operator of a landfill must install two or more liners and leachate collection systems above and between such liners in accordance with 35 Ill. Adm. Code 724.401, with respect to each new unit, replacement of an existing unit or lateral expansion of an existing unit that is within the area identified in the Part A permit application, and with respect to waste received beginning May 9, 1985, each new landfill unit on which construction commences after January 29, 1992, each lateral expansion of a landfill unit on which construction commences after July 29, 1992, and each replacement of an existing landfill unit that is to commence reuse after July 29, 1992, shall install two or more liners and a leachate collection and removal system above and between such liners, and operate the leachate collection and removal systems, in accordance with 35 Ill. Adm. Code 724.401(c), unless exempted by 35 Ill. Adm. Code 724.401(d), (e) or (f). "Construction commences" is as defined in 35 Ill. Adm. Code 720.110 under "existing facility".

- b) The owner or operator of each unit referred to in subsection (a) above must notify the Agency at least sixty days prior to receiving waste. The owner or operator of each facility submitting notice must shall file a Part B application within six months of the receipt of such notice.

- c) Subsection (a) will not apply if the owner or operator demonstrates to the Agency and the Agency finds for such landfill, that alternative design and operating practices, together with location characteristics, will prevent the migration of any hazardous constituent into

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~~the groundwater or surface water at least as effectively as such liners and leachate collection systems. The owner or operator of any replacement landfill unit is exempt from subsection (a) above if:~~

- 1) ~~The existing unit was constructed in compliance with the design standards of 35 Ill. Adm. Code 724.401(c), (d) and (e), as amended in R86-1, at 10 Ill. Reg. 14119, effective August 12, 1986; and~~

~~BOARD NOTE: The cited subsections implemented the design standards of sections 3004(o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act (42 U.S.C. 6901 et seq.).~~

- 2) ~~There is no reason to believe that the liner is not functioning as designed.~~

- d) ~~The double liner requirement Agency shall not require a double liner as set forth in subsection (a) above may be waived by the Agency for any monofill, if:~~

- 1) ~~The monofill contains only hazardous wastes from foundry furnace emission controls or metal casting molding sand, and such wastes do waste does not contain constituents which would render the wastes hazardous for reasons other than the SP toxicity characteristics in 35 Ill. Adm. Code 721.124 toxicity characteristic in 35 Ill. Adm. Code 721.124, with hazardous waste number D004 through D017; and~~

- 2) ~~Alternative demonstration.~~

A) ~~Liner and location requirements.~~

- i) ~~The monofill has at least one liner for which there is no evidence that such liner is leaking; i~~
- ii) ~~The monofill is located more than one-quarter mile from an underground source of drinking water (as that term is defined in 35 Ill. Adm. Code 702.110); and~~
- iii) ~~The monofill is in compliance with generally applicable groundwater~~

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monitoring requirements for facilities with RCRA permits; or

- B) The owner or operator demonstrates to the Board that the monofill is located, designed and operated so as to assure that there will be no migration of any hazardous constituent into groundwater ~~of~~ or surface water at any future time.

- e) In the case of any unit in which the liner and leachate collection system has been installed pursuant to the requirements of subsection (a) above, and in good faith compliance with subsection (a) above and with guidance documents governing liners and leachate collection systems under subsection (a) above, ~~the~~ the Agency shall not require a liner or leachate collection system which is different from that which was so installed pursuant to subsection (a) above ~~will be required for such unit by the Agency when issuing the first permit to such facility, except that the Agency will not be is not precluded from requiring installation of a new liner when the Agency finds that any liner installed pursuant to the requirements of subsection (a) above is leaking.~~

- f) The owner or operator shall design, construct, operate and maintain a run-on control system capable of preventing flow onto the active portion of the landfill during peak discharge from at least a 25-year storm.

- g) The owner or operator shall design, construct, operate and maintain a run-off management system to collect and control at least the water volume resulting from a 24 hour, 25-year storm.

- h) Collection and holding facilities (e.g., tanks or basins) associated with run-on and run-off control systems must be emptied or otherwise managed expeditiously after storms to maintain design capacity of the system.

- i) The owner or operator of a landfill containing hazardous waste which is subject to dispersal by wind shall cover or otherwise manage the landfill so that wind dispersal of the hazardous waste is controlled.

BOARD NOTE: As required by Section 725.113, the waste analysis plan must include analyses needed

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to comply with Sections 725.412, 725.413 and 725.414. As required by Section 725.173, the owner or operator shall place the results of these analyses in the operating record of the facility.

- f) i) Refusal to grant an exemption or waiver, or grant with conditions, may be appealed to the Board.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.402

General Operating Requirements Action Leakage Rate

- a) ~~The owner or operator must design, construct, operate and maintain a run-on control system capable of preventing flow onto the active portion of the landfill during peak discharge from at least a 25-year storm.~~

- b) ~~The owner or operator must design, construct, operate and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.~~

- c) ~~Collection and holding facilities (e.g., tanks or basins) associated with run-on and run-off control systems must be emptied or otherwise managed expeditiously after storms to maintain design capacity of the system.~~

- d) ~~The owner or operator of a landfill containing hazardous waste which is subject to dispersal by wind must cover or otherwise manage the landfill so that wind dispersal of the hazardous waste is controlled.~~

BOARD NOTE: As required by Section 725.113, the waste analysis plan must include analyses needed to comply with Sections 725.412, 725.413 and 725.414. As required by Section 725.173, the owner or operator must place the results of these analyses in the operating record of the facility.

- a) The owner or operator of landfill units subject to Section 725.401(a) shall submit a proposed action leakage rate to the Agency when submitting the notice required under Section 725.401(b). Within 60 days of receipt of the notification, the Agency will: Establish an action leakage rate, either as proposed by the owner or operator or modified using the criteria in this

Source: MSB 1

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section; or extend the review period for up to 30 days. If no action is taken by the Agency before the original 60 or extended 90 day review periods, the action leakage rate will be approved as proposed by the owner or operator.

- b) The Agency shall approve an action leakage rate for landfill units subject to Section 725.401(a). The action leakage rate is the maximum design flow rate that the LDS can remove without the fluid head on the bottom liner exceeding 1 foot. The action leakage rate must include an adequate safety margin to allow for uncertainties in the design (e.g., slope, hydraulic conductivity, thickness of drainage material), construction, operation and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions (e.g., the action leakage rate must consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.).

- c) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly or monthly flow rate from the monitoring data obtained under Section 725.404 to an average daily flow rate (gallons per acre per day) for each sump. The average daily flow rate for each sump must be calculated weekly during the active life and closure period, and monthly during the post-closure care period unless the Agency approves a different period under Section 725.404(b).

- d) Final Agency determinations pursuant to this Section are deemed to be permit denials for purposes of appeal to the Board pursuant to Section 40 of the Environmental Protection Act.

(Source: Section repealed, new Section added at 17 Ill. Reg. 5681, effective March 26, 1993.)

Section 725.403 Response Actions

- a) The owner or operator of landfill units subject to Section 725.401(a) shall submit a response action plan to the Agency when submitting the proposed action leakage rate under Section 725.402. The response action plan must set forth the actions to be taken if

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the action leakage rate has been exceeded. At a minimum, the response action plan must describe the actions specified in subsection (b) below.

- b) If the flow rate into the LDS exceeds the action leakage rate for any sump, the owner or operator shall:

- 1) Notify the Agency in writing of the exceedence within 7 days of the determination;
- 2) Submit a preliminary written assessment to the Agency within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size and cause of any leaks, and short-term actions taken and planned;
- 3) Determine to the extent practicable the location, size and cause of any leak;
- 4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs or controls, and whether or not the unit should be closed;
- 5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and
- 6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Agency the results of the determinations specified in subsections (b)(3), (4) and (5) above, the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the LDS exceeds the action leakage rate, the owner or operator shall submit to the Agency a report summarizing the results of any remedial actions taken and actions planned.

- c) To make the leak or remediation determinations in subsections (b)(3), (4) and (5) above, the owner or operator shall either:

- 1) Perform the following assessments:
 - A) Assess the source of liquids and amounts of liquids by source;
 - B) Conduct a fingerprint, hazardous constituent

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or other analyses of the liquids in the LDS to identify the source of liquids and the possible location of any leaks, and the hazard and mobility of the liquid; and

- C) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or

2) Document why such assessments are not needed.

- d) Final Agency determinations pursuant to this Section are deemed to be permit denials for purposes of appeal to the Board pursuant to Section 40 of the Environmental Protection Act.

(Source: Added at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.404 Monitoring and Inspection

- a) An owner or operator required to have an LDS under Section 725.401(a) shall record the amount of liquids removed from each LDS sump at least once each week during the active life and closure period.
- b) After the final cover is installed, the amount of liquids removed from each LDS sump must be recorded at least monthly. If the liquid level in the sump stays below the pump operating level for two consecutive months, the amount of liquids in the sumps must be recorded at least quarterly. If the liquid level in the sump stays below the pump operating level for two consecutive quarters, the amount of liquids in the sumps must be recorded at least semi-annually. If at any time during the post-closure care period the pump operating level is exceeded at units on quarterly or semi-annual recording schedules, the owner or operator shall return to monthly recording of amounts of liquids removed from each sump until the liquid level again stays below the pump operating level for two consecutive months.

- c) "Pump operating level" is a liquid level proposed by the owner or operator and approved by the Agency based on pump activation level, sump dimensions and level that avoids backup into the drainage layer and minimizes head in the sump. The timing for submission and approval of the proposed "pump operating level"

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will be in accordance with Section 725.402(a).

- d) Final Agency determinations pursuant to this Section are deemed to be permit denials for purposes of appeal to the Board pursuant to Section 40 of the Environmental Protection Act.

(Source: Added at 17 Ill. Reg. 5681, effective March 26, 1993)

Section 725.410 Closure and Post-closure

- a) At final closure of the landfill or upon closure of any cell, the owner or operator ~~must~~ shall cover the landfill or cell with a final cover designed and constructed to:

- 1) Provide long-term minimization of migration of liquids through the closed landfill;
- 2) Function with minimum maintenance;
- 3) Promote drainage and minimize erosion or abrasion of the cover;
- 4) Accommodate settling and subsidence so that the cover's integrity is maintained; and
- 5) Have a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present.

- b) After final closure, the owner or operator shall comply with all post-closure requirements contained in Section 725.217 through 725.220 including maintenance and monitoring throughout the post-closure care period. The owner or operator shall:

- 1) Maintain the integrity and effectiveness of the final cover, including making repairs to the cover as necessary to correct the effects of settling, subsidence, erosion or other events;
- 2) Maintain and monitor the LDS in accordance with 35 Ill. Adm. Code 724.401(c)(3)(D) and (c)(4) and Section 725.404(b), and comply with all other applicable LDS requirements of this Part;
- 3) Maintain and monitor the ground-water groundwater

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monitoring system and comply with all other applicable requirements of Subpart F;

- 3 4) Prevent run-on and run-off from eroding or otherwise damaging the final cover; and
- 4 5) Protect and maintain surveyed benchmarks used in complying with Section 725.409.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993)

SUBPART W: DRIP PADS

Section 725.543 Design and operating requirements

a) Drip pads must:

- 1) Not be constructed of earthen materials, wood or asphalt, unless the asphalt is structurally supported;
- 2) Be sloped to free-drain to the associated collection system treated wood drippage, rain, other waters, or solutions of drippage and water or other wastes;
- 3) Have a curb or berm around the perimeter;
- 4) Be impermeable, e.g., concrete pads must be sealed, coated or covered with an impermeable material such that the entire surface where drippage occurs or may run across is capable of containing such drippage and mixtures of drippage and precipitation, materials or other wastes while being routed to an associated collection system; and

BOARD NOTE: The requirement that existing drip pads be impermeable, e.g., that drip pads be sealed, coated or covered with an impermeable material, is administratively stayed. The requirement that new drip pads be impermeable, e.g., that new drip pads be sealed, coated or covered with an impermeable material, is administratively stayed. The stays will remain in effect until further administrative action is taken the Board

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removes this note by further regulatory action implementing USEPA amendments at 57 Fed. Reg. 61492, December 24, 1992, expected in Docket R93-4. The extended State stay will not be construed as excusing owners or operators from complying with any federal requirements already in effect in Illinois.

- 5) Be of sufficient structural strength and thickness to prevent failure due to physical contact, climatic conditions, the stress of installation and the stress of daily operations, e.g., variable and moving loads such as vehicle traffic, movement of wood, etc.

BOARD NOTE: In judging the structural integrity requirement of this subsection, the Agency should generally consider applicable standards established by professional organizations generally recognized by the industry, including ACI 318 or ASTM C94, incorporated by reference in 35 Ill. Adm. Code 720.111.

- b) A new drip pad or an existing drip pad, after the deadline established in Section 725.541(b), must have:
 - 1) A synthetic liner installed below the drip pad that is designed, constructed and installed to prevent leakage from the drip pad into the adjacent subsurface soil or groundwater or surface water at any time during the active life (including the closure period) of the drip pad. The liner must be constructed of materials that will prevent waste from being absorbed into the liner and prevent releases into the adjacent subsurface soil or groundwater or surface water during the active life of the facility. The liner must be:

- A) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrogeologic forces), physical contact with the waste or drip pad leakage to which they are exposed, climatic conditions, the stress of installation and the stress of daily operation (including stresses from vehicular

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traffic on the drip pad);

- B) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression or uplift; and
 - C) Installed to cover all surrounding earth that could come in contact with the waste or leakage; and
- 2) A leakage detection system immediately above the liner that is designed, constructed, maintained and operated to detect leakage from the drip pad. The leakage detection system must be:
 - A) Constructed of materials that are:
 - i) Chemically resistant to the waste managed in the drip pad and the leakage that might be generated;
 - ii) Designed and operated to function without clogging through the scheduled closure of the drip pad; and
 - iii) Of sufficient strength and thickness to prevent collapse under the pressures exerted by overlaying materials and by any equipment used at the drip pad; and
 - B) Designed so that it will detect the failure of the drip pad or the presence of a release of hazardous waste or accumulated liquid at the earliest practicable time.

- c) Drip pads must be maintained such that they remain free of cracks, gaps, corrosion or other deterioration that could cause hazardous waste to be released from the drip pad.

BOARD NOTE: See subsection (m) below for remedial action required if deterioration or leakage is detected.

- d) The drip pad and associated collection system must be designed and operated to convey, drain and collect liquid resulting from drippage or precipitation in

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order to prevent run-off.

- e) Unless the drip pad is protected by a structure, as described in Section 725.540(b), the owner or operator shall design, construct, operate and maintain a run-on control system capable of preventing flow onto the drip pad during peak discharge from at least a 24-hour, 25-year storm, unless the system has sufficient excess capacity to contain any run-on that might enter the system.
- f) Unless the drip pad is protected by a structure or cover, as described in Section 725.540(b), the owner or operator shall design, construct, operate and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.
- g) The drip pad must be evaluated to determine that it meets the requirements of subsections (a) through (f). The owner or operator shall obtain a statement from an independent, qualified, registered professional engineer certifying that the drip pad design meets the requirements of this Section.
- h) Drippage and accumulated precipitation must be removed from the associated collection system as necessary to prevent overflow onto the drip pad.
- i) The drip pad surface must be cleaned thoroughly at least once every seven days such that accumulated residues of hazardous waste or other materials are removed, using an appropriate and effective cleaning technique, including but not limited to, rinsing, washing with detergents or other appropriate solvents, or steam cleaning. The owner or operator shall document, in the facility's operating log, the date and time of each cleaning and the cleaning procedure.
- j) Drip pads must be operated and maintained in a manner to minimize tracking of hazardous waste or hazardous waste constituents off the drip pad as a result of activities by personnel or equipment.
- k) After being removed from the treatment vessel, treated wood from pressure and non-pressure processes must be held on the drip pad until drippage has ceased. The owner or operator shall maintain records sufficient to document that all treated wood is held on the pad, in

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accordance with this Section, following treatment.

- 1) Collection and holding units associated with run-on and run-off control systems must be emptied or otherwise managed as soon as possible after storms to maintain design capacity of the system.
- m) Throughout the active life of the drip pad, if the owner or operator detects a condition that may have caused or has caused a release of hazardous waste, the condition must be repaired within a reasonably prompt period of time following discovery, in accordance with the following procedures:

- 1) Upon detection of a condition that may have caused or has caused a release of hazardous waste (e.g., upon detection of leakage in the leak detection system), the owner or operator shall:

- A) Enter a record of the discovery in the facility operating log;
- B) Immediately remove from service the portion of the drip pad affected by the condition;
- C) Determine what steps must be taken to repair the drip pad, clean up any leakage from below the drip pad, and establish a schedule for accomplishing the clean up and repairs;
- D) Within 24 hours after discovery of the condition, notify the Agency of the condition and, within 10 working days, provide written notice to the Agency with a description of the steps that will be taken to repair the drip pad and clean up any leakage, and the schedule for accomplishing this work.

- 2) The Agency shall: review the information submitted; make a determination regarding whether the pad must be removed from service completely or partially until repairs and clean up are complete; and notify the owner or operator of the determination and the underlying rationale in writing.

- 3) Upon completing all repairs and clean up, the owner or operator shall notify the Agency in writing and provide a certification, signed by an

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independent, qualified, registered professional engineer, that the repairs and clean up have been completed according to the written plan submitted in accordance with subsection (m)(1)(D) above.

- n) The owner or operator shall maintain, as part of the facility operating log, documentation of past operating and waste handling practices. This must include identification of preservative formulations used in the past, a description of drippage management practices and a description of treated wood storage and handling practices.

(Source: Amended at 17 Ill. Reg. 5681, effective March 26, 1993)

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1) Heading of the Part: LAND DISPOSAL RESTRICTIONS2) Code Citation: 35 Ill. Adm. Code 7283) Section Numbers:

728.103

728.135

728.141

728. Table D

Adopted Action:

Amendment

Amendment

Amendment

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111 $\frac{1}{2}$, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27].5) Effective Date of Amendments: March 26, 19936) Does this rulemaking contain an automatic repeal date?: No.7) Does this amendment contain incorporations by reference?: No.8) Date Filed in Agency's Principal Office: Opinion and order adopted on January 21, 1993, supplemented on March 11, 19939) Notice(s) of Proposal Published in Illinois Register:

November 6, 1992; 16 Ill. Reg. 16878

10) Has JCAR issued a Statement of Objections to this (these) Rule(s)?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the Illinois Administrative Procedure Act [5 ILCS 100/1-1 et seq.] (APA) provide that this matter shall not be subject to first notice or to second notice review by JCAR.

11) Difference(s) between proposal and final version:Section

728.103 et seq.

"Above" or "below" added after each subsection reference. "Of this Part" added after each Subpart reference.

728.141(a)

Proposed change of "K031" to "D031" dropped.

12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

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Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that this matter shall not be subject to first notice or to second notice review by JCAR.

13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.14) Are there any amendments pending on this Part? No.15) Summary and Purpose of Rule(s):

The Board adopted an Opinion and Order in this matter, R92-10, on January 21, 1993, supplemented March 11, 1993. A copy of the Opinion and supplement are available from the address below.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1022.4(a) [415 ILCS 5/22.4(a)]) requires the Board to adopt regulations which are "identical in substance" to regulations adopted by USEPA to implement Sections 3001 through 3005 of the Resource Conservation and Recovery Act. The USEPA regulations, which deal with hazardous waste, are found at 40 CFR 260 through 270. The equivalent Board regulations are in 35 Ill. Adm. Code 702, 703, 705 and 720 through 728.

The term "identical in substance" is defined in Section 7.2 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1007.2 [415 ILCS 5/7.2]). Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that Section 5-35 of the APA does not apply. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's hazardous waste regulations to correspond with USEPA amendments appearing in the Federal Register during the period January 1 through June 30, 1992. These include the "third third" corrections at 57 Fed. Reg. 8088, March 6, 1992, the latest USEPA correction of the third third land disposal rules adopted by the Board in R90-11.

Section

728.135

Text of this Section is rearranged with respect to 40 CFR 268.35, to meet Code Division format requirements.

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728.135(k)

Adds a "national capacity variance" for certain reclaimed lead storage batteries which are hazardous by reason of the characteristic for lead (D008). To qualify, operators had to meet certain conditions by July 27, 1992, a HSWA-driven date which was required under federal law.

728.141(a)

40 CFR 268.41 has a number of possible typographical errors. The Board has confirmed that the change of "K031" to "D031" was an error in the USEPA amendment, and has retained "K031". The Board has also corrected the citation to reference "Table CCWE" [Table A].

16) Information and questions regarding this adopted amendment shall be directed to:

Morton F. Dorothy
Illinois Pollution Control Board
104 W. University
Urbana, IL 61801

217/ 333-5575

The full text of the adopted amendments begins on the following page.

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TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 728

LAND DISPOSAL RESTRICTIONS

SUBPART A: GENERAL

Section

Purpose, Scope and Applicability

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Definitions

728.102

Dilution Prohibited as a Substitute for Treatment

728.103

Treatment Surface Impoundment Exemption

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Procedures for case-by-case Extensions to an Effective Date

728.105

Petitions to Allow Land Disposal of a Waste Prohibited under Subpart C

728.106

Waste Analysis and Recordkeeping

728.107

Landfill and Surface Impoundment Disposal Restrictions (Repealed)

728.108

Special Rules for Characteristic Wastes

728.109

SUBPART B: SCHEDULE FOR LAND DISPOSAL PROHIBITION AND ESTABLISHMENT OF TREATMENT STANDARDS

Section

First Third

728.110

Second Third

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Newly Listed Wastes

728.113

SUBPART C: PROHIBITION ON LAND DISPOSAL

Section

Waste Specific Prohibitions -- Solvent Wastes

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Waste Specific Prohibitions -- Dioxin-Containing Wastes

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Waste Specific Prohibitions -- California List Wastes

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Waste Specific Prohibitions -- First Third Wastes

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Waste Specific Prohibitions -- Second Third Wastes

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Statutory Prohibitions

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SUBPART D: TREATMENT STANDARDS

Section

Applicability of Treatment Standards

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Treatment Standards expressed as Concentrations in Waste Extract

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Treatment Standards expressed as Specified Technologies

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Treatment Standards expressed as Waste Concentrations

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Adjustment of Treatment Standards

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SUBPART E: PROHIBITIONS ON STORAGE

728.150 Prohibitions on Storage of Restricted Wastes

728.Appendix A Toxicity Characteristic Leaching Procedure (TCLP)
728.Appendix B Treatment Standards (As concentrations in the
Treatment Residual Extract)

728.Appendix C List of Halogenated Organic Compounds

728.Appendix D Organometallic Lab Packs

728.Appendix E Organic Lab Packs

728.Appendix F Technologies to Achieve Deactivation of
Characteristics

728.Appendix G Federal Effective Dates

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728.Appendix I EP Toxicity Test Method and Structural Integrity
Test

728.Table A Constituent Concentrations in Waste Extract (CCWE)

728.Table B Constituent Concentrations in Wastes (CCW)

728.Table C Technology Codes and Description of Technology-
Based Standards

728.Table D Technology-Based Standards by RCRA Waste Code

728.Table E Standards for Radioactive Mixed Waste

728.Table F Wastes Excluded from CCW Treatment Standards

AUTHORITY: Implementing Section 22.4 and authorized by Section
27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch.
111½, pars. 1022.4 and 1027) [415 ILCS 5/22.4 and 27].

SOURCE: Adopted in R87-5 at 11 Ill. Reg. 19354, effective
November 12, 1987; amended in R87-39 at 12 Ill. Reg. 13046,
effective July 29, 1988; amended in R89-1 at 13 Ill. Reg. 18403,
effective November 13, 1989; amended in R89-9 at 14 Ill. Reg.
6232, effective April 16, 1990; amended in R90-2 at 14 Ill. Reg.
14470, effective August 22, 1990; amended in R90-10 at 14 Ill.
Reg. 16508, effective September 25, 1990; amended in R90-11 at 15
Ill. Reg. 9462, effective June 17, 1991; amended in R90-11 at 15
Ill. Reg. 11937, effective August 12, 1991; amendment withdrawn
at 15 Ill. Reg. 14716, October 11, 1991; amended in R91-13 at 16
Ill. Reg. 9619, effective June 9, 1992; amended in R92-10 at 17
Ill. Reg. 5727, effective March 26, 1993.

SUBPART A: GENERAL

Section 728.103 Dilution Prohibited as a Substitute for
Treatment

- a) Except as provided in subsection (b) below, no
generator, transporter, handler or owner or operator of

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a treatment, storage or disposal facility shall in any
way dilute a restricted waste or the residual from
treatment of a restricted waste as a substitute for
adequate treatment to achieve compliance with Subpart D
of this Part, to circumvent the effective date of a
prohibition in Subpart C of this Part, to otherwise
avoid a prohibition in Subpart C of this Part.

- b) Dilution of wastes that are hazardous only because they
exhibit a characteristic in a treatment system which
treats wastes subsequently discharged to a water of the
State pursuant to an NPDES permit issued under 35 Ill.
Adm. Code 309 or which treats wastes for purposes of
pretreatment requirements under 35 Ill. Adm. Code 310
is not impermissible dilution for purposes of this
Section unless a method has been specified as the
treatment standard in Section 728.142, or unless the
waste is a D003 reactive cyanide wastewater or
nonwastewater.

(Source: Amended at 17 Ill. Reg. 5727, effective
March 26, 1993)

SUBPART C: PROHIBITION ON LAND DISPOSAL

Section 728.135 Waste Specific Prohibitions--Third Third
wastes.

- a) The following wastes are prohibited from land disposal.
- 1) The wastes specified in 35 Ill. Adm. Code 721.131
as EPA Hazardous Waste Numbers:

F002 (1,1,2-trichloroethane)
F005 (benzene)
F005 (2-ethoxyethanol)
F005 (2-nitropropane)
F006 (wastewaters),
F019
F025
F039 (wastewaters);

- 2) The wastes specified in 35 Ill. Adm. Code 721.132
as EPA Hazardous Waste Numbers:

K002
K003
K004 (wastewaters)
K005 (wastewaters)

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K006 (wastewaters)
 K008 (wastewaters)
 K011 (wastewaters)
 K013 (wastewaters)
 K014 (wastewaters)
 K015 (nonwastewaters)
 K017 (wastewaters)
 K021 (wastewaters)
 K022 (wastewaters)
 K025 (wastewaters)
 K026 (wastewaters)
 K029 (wastewaters)
 K031 (wastewaters)
 K032
 K033
 K034
 K035
 K041
 K042
 K046 (wastewaters, reactive nonwastewaters)
 K048 (wastewaters)
 K049 (wastewaters)
 K050 (wastewaters)
 K051 (wastewaters)
 K052 (wastewaters)
 K060 (wastewaters)
 K061 (wastewaters) and (high zinc subcategory > 15% zinc)
 K069 (wastewaters, calcium sulfate nonwastewaters)
 K073
 K083
 K084 (wastewaters)
 K085 (wastewaters)
 K095 (wastewaters)
 K096 (wastewaters)
 K097
 K098
 K100 (wastewaters)
 K101 (wastewaters)
 K102 (wastewaters)
 K105
 K106 (wastewaters)

3) The wastes specified in 35 Ill. Adm. Code 721.133(e) as EPA Hazardous Waste Numbers:

P001
 P002

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P003
 P004
 P005
 P006
 P007
 P008
 P009
 P010 (wastewaters)
 P011 (wastewaters)
 P012 (wastewaters)
 P014
 P015
 P016
 P017
 P018
 P020
 P022
 P023
 P024
 P026
 P027
 P028
 P031
 P033
 P034
 P036 (wastewaters)
 P037 (wastewaters)
 P038 (wastewaters)
 P042
 P045
 P046
 P047
 P048
 P049
 P050
 P051
 P054
 P056
 P057
 P058
 P059
 P060
 P064
 P065 (wastewaters)
 P066
 P067
 P068
 P069
 P070

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P072
P073
P075
P076
P077
P078
P081
P082
P084
P088
P092
P093
P095
P096
P101
P102
P103
P105
P108

P110
P112
P113
P114
P115
P116
P118
P119
P120
P122
P123

(wastewaters)

- 4) The wastes specified in 35 Ill. Adm. Code
721.133(f) as EPA Hazardous Waste Numbers:

U001
U002
U003
U004
U005
U006
U007
U008
U009
U010
U011
U012
U014
U015

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U016
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U126
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U132
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U135
U136 (wastewaters)
U137
U138
U140
U141
U142
U143
U144
U145
U146
U147
U148
U149
U150
U151 (wastewaters)
U152
U153
U154
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U240
U243
U244
U246
U247
U248
U249

- 4) The following wastes identified as hazardous based on a characteristic alone:

D001
D002
D003
D004 (wastewaters)
D005
D006
D007
D008 (except for lead materials stored before secondary smelting)
D009 (wastewaters)
D010
D011
D012
D013
D014
D015
D016
D017

- b) The following wastes are prohibited from land disposal. The wastes specified in 35 Ill. Adm. Code 721.132 as EPA Hazardous Waste Numbers:

K048 (nonwastewaters)
K049 (nonwastewaters)
K050 (nonwastewaters)
K051 (nonwastewaters)
K052 (nonwastewaters)

- c) Effective May 8, 1992, the following wastes are prohibited from land disposal:

- 1) The wastes specified in 35 Ill. Adm. Code 721.131 as EPA Hazardous Waste Numbers:

F039 (nonwastewaters)

- 2) The wastes specified in 35 Ill. Adm. Code 721.132

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as EPA Hazardous Waste Numbers:

- K031 (nonwastewaters)
- K084 (nonwastewaters)
- K101 (nonwastewaters)
- K102 (nonwastewaters)
- K106 (nonwastewaters)

3) The wastes specified in 35 Ill. Adm. Code 721.133(e) as EPA Hazardous Waste Numbers:

- P010 (nonwastewaters)
- P011 (nonwastewaters)
- P012 (nonwastewaters)
- P036 (nonwastewaters)
- P038 (nonwastewaters)
- P065 (nonwastewaters)
- P087
- P092 (nonwastewaters)

4) The wastes specified in 35 Ill. Adm. Code 721.133(f) as EPA Hazardous Waste Numbers:

- U136 (nonwastewaters)
- U151 (nonwastewaters)

5) The following wastes identified as hazardous based on a characteristic alone:

- D004 (nonwastewaters)
- ~~D008 (lead materials stored before secondary smelting)~~
- D009 (nonwastewaters);

6) Inorganic solids debris as defined in 35 Ill. Adm. Code 728.102 (which also applies to chromium refractory bricks carrying the EPA Hazardous Waste Numbers K048-K052); and

7) RCRA hazardous wastes that contain naturally occurring radioactive materials.

d) Effective May 8, 1992, hazardous wastes listed in Sections 728.110, 728.111 or 728.112 that are mixed radioactive/hazardous wastes, and soil or debris contaminated with hazardous wastes listed in Sections 728.110, 728.111 or 728.112 that are mixed radioactive/hazardous wastes, are prohibited from land disposal.

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e) ~~Effective May 8, 1992, the wastes specified in this section having a treatment standard in Subpart D based on incineration, mercury retorting, vitrification, acid leaching followed by chemical precipitation or thermal recovery of metals and which are contaminated soil or debris, are prohibited from land disposal. Effective May 8, 1993, debris that is contaminated with wastes listed in Sections 728.110, 728.111 or 728.112, and debris that is contaminated with any characteristic waste for which treatment standards are established in Subpart D of this Part, are prohibited from land disposal.~~

h) Between May 8, 1990, and May 8, 1992, wastes included in subsections (c), (d) and (e), above, shall be disposed of in a landfill or surface impoundment only if such unit is in compliance with the requirements specified in Section 728.105(h)(2).

i) The requirements of subsections (a), (b), (c), (d) and (e), above, do not apply if:

- 1) The wastes meet the applicable standards specified in Subpart D of this Part;
- 2) Persons have been granted an exemption from a prohibition pursuant to a petition under Section 728.106, with respect to those wastes and units covered by the petition;
- 3) The wastes meet the applicable alternate standards established pursuant to a petition granted under Section 728.144;
- 4) Persons have been granted an extension to the effective date of a prohibition pursuant to Section 728.105, with respect to these wastes covered by the extension.

j) To determine whether a hazardous waste listed in Section 728.110, 728.111 or 728.112 exceeds the applicable treatment standards specified in Sections 728.141 and 728.143, the initial generator shall either test a representative sample of the waste extract or the entire waste, depending on whether the treatment standards are expressed as concentrations in the waste extract or the waste, or use knowledge of the waste. If the waste contains constituents in excess of the applicable Subpart D of this Part levels, the waste is

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prohibited from land disposal, and all requirements of this part are applicable, except as otherwise specified.

k)

Effective May 8, 1993, D008 lead materials stored before secondary smelting are prohibited from land disposal. On or before March 1, 1993, the owner or operator of each secondary lead smelting facility shall submit to the Agency the following: A binding contractual commitment to construct or otherwise provide capacity for storing such D008 wastes prior to smelting which complies with all applicable storage standards; documentation that the capacity to be provided will be sufficient to manage the entire quantity of such D008 wastes; and, a detailed schedule for providing such capacity. Failure by a facility to submit such documentation will render such D008 managed by that facility prohibited from land disposal effective March 1, 1993. In addition, no later than July 27, 1992, the owner or operator of each facility shall place in the facility record documentation of the manner and location in which such wastes will be managed pending completion of such capacity, demonstrating that such management capacity will be adequate and complies with all applicable requirements of 35 Ill. Adm. Code 720 through 728.

(Source: Amended at 17 Ill. Reg. 5727, effective March 26, 1993)

SUBPART D: TREATMENT STANDARDS

Section 728.141 Treatment Standards expressed as Concentrations in Waste Extract

- a) Table A identifies the restricted wastes and the concentrations of their associated hazardous constituents which may not be exceeded by the extract of a waste or waste treatment residual developed using the test method in Appendix A for the allowable land disposal of such wastes, with the exception of wastes D004, D008, K031, K084, K101, K102, P010, P011, P012, P036, P038 and U136. Table A identifies the restricted wastes D004, D008, K031, K084, K101, K102, P010, P011, P012, P036, P038 and U136 and the concentrations of their associated constituents which shall not be exceeded by the extract of a waste or waste treatment residual developed using the test method in 35 Ill. Adm. Code 721. Appendix A or B for the allowable land

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disposal of such wastes. (Appendix B of this Part provides guidance on treatment methods that have been shown to achieve the Table A levels for the respective wastes. Appendix B of this Part is not a regulatory requirement but is provided to assist generators and owners or operators in their selection of appropriate treatment methods.) Compliance with these concentrations is required based upon grab samples, unless otherwise noted in Table A.

- b) When wastes with differing treatment standards for a constituent of concern are combined for purposes of treatment, the treatment residue must meet the lowest treatment standard for the constituent of concern, except that mixtures of high and low zinc nonwastewater K061 are subject to the treatment standard for high zinc K061.

(Source: Amended at 17 Ill. Reg. 5727, effective March 26, 1993)

Section 728. Table D Technology-Based Standards by RCRA Waste Code

Waste See Codes Also	CAS No.	Technology Code, Waste waters	Technology Code, Nonwaste waters	Waste Descriptions and/or Treatment Subcategory
D001 NA	NA	DEACT	NA	Ignitable Liquids based on 35 Ill. Adm. Code 721.121(a) (1)-wastewaters
D001 NA	NA	NA	DEACT	Ignitable Liquids based on 35 Ill. Adm. Code 721.121(a) (1)-Low TOC Ignitable Liquids Subcategory--Less than 10% total organic carbon

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D001	NA	NA	NA	FSUBS; or ROGS; or INCIN	Ignitable Liquids based on 35 Ill. Adm. Code 721.121(a) (1)-High TOC Ignitable Liquids Subcategory--Greater than or equal to 10% total organic carbon
D001	NA	NA	NA	DEACT B	Ignitable compressed gases based on 35 Ill. Adm. Code 721.121(a)(3)
D001	NA	NA	NA	DEACT	Ignitable reactives based on 35 Ill. Adm. Code 721.121(a) (2)
D001	NA	DEACT	DEACT	Oxidizers based on 35 Ill. Adm. Code 721.121(a)(4)	
D002	NA	DEACT	DEACT	Acid subcategory based on 35 Ill. Adm. Code 721.122(a) (1)	
D002	NA	DEACT	DEACT	Alkaline subcategory based on 35 Ill. Adm. Code 721.122(a) (1)	
D002	NA	DEACT	DEACT	Other corrosives based on 35 Ill. Adm. Code 721.122(a) (2)	

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D003	NA	NA	DEACT (may not be diluted) but not including dilution as a sub- stitute for ade- quate treat- ment.	DEACT (may not be diluted) but not including dilution as a sub- stitute for ade- quate treat- ment.	Reactive sulfides based on 35 Ill. Adm. Code 721.123(a) (5)
D003	NA	NA	DEACT	DEACT	Explosives based on 35 Ill. Adm. Code 721.123(a)(6), (7) and (8)
D003	NA	NA	DEACT	DEACT	Water reactives based on 35 Ill. Adm. Code 721.123(a) (2), (3) and (4)
D003	NA	NA	DEACT	DEACT	Other reactives based on 35 Ill. Adm. Code 721.123(a) (1)
D006	NA	7440-43-9	NA	RATHERM	Cadmium-containing batteries
D008	NA	7439-92-1	NA	RLEAD	Lead acid batteries (Note: This standard only applies to lead acid batteries that are identified as RCRA hazardous wastes and that are not excluded elsewhere from regulation under the land disposal re- strictions of this Part or exempted under other regula- tions (see 35 Ill. Adm. Code 726.180).)

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D009	Tables A & B	7439-97-6	NA	IMERC; or RMERC	Mercury: (High Mercury Subcategory--greater than or equal to 260 mg/kg total Mercury--contains mercury and organics (and are not incin- erator residues))
D009	Tables A & B	7439-97-6	NA	RMERC	Mercury: (High Mercury Subcategory--greater than or equal to 260 mg/kg total Mercury--inorganics (including incinerator residues and residues from RMERC))
D012	Table B	72-20-8	BIODG; or INCIN	NA	Endrin
D013	Table B	58-89-9	CARBN; or INCIN	NA	Lindane
D014	Table B	72-43-5	WETOX; or INCIN	NA	Methoxychlor
D015	Table B	8001-35-1	BIODG; or INCIN	NA	Toxaphene
D016	Table B	94-75-7	CHOXD; or BIODG; or INCIN	NA	2,4-D
D017	Table B	93-72-1	CHOXD; or INCIN	NA	2,4,5-TP
F005	Tables A & B	79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	2-Nitropropane
F005	Tables A & B	110-80-5	BIODG; or INCIN	INCIN	2-Ethoxyethanol

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F024	Tables A & B	NA	INCIN	INCIN	-----
K025	NA	NA	LLEXT fb SSTRIP fb CARBN; or INCIN	INCIN	Distillation bottoms from the production of nitrobenzene by the nitration of benzene
K026	NA	NA	INCIN	INCIN	Stripping still tails from the pro- duction of methyl ethyl pyridines
K027	NA	NA	CARBN; or INCIN	FSUBS; or INCIN	Centrifuge and distillation residues from toluene diisocyanate production
K039	NA	NA	CARBN; or INCIN	FSUBS; or INCIN	Filter cake from the filtration of di- ethylphosphoro- dithioc acid in the production of phor- ate
K044	NA	NA	DEACT	DEACT	Wastewater treatment sludges from the manufacturing and processing of explosives
K045	NA	NA	DEACT	DEACT	Spent carbon from the treatment of wastewater con- taining explosives
K047	NA	NA	DEACT	DEACT	Pink/red water from TNT operations
K069	Tables A & B	NA	NA	RLEAD	Emission control dust/sludge from secondary lead smelting: Non- Calcium Sulfate Sub- category

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K106	Tables A & B	NA	NA	RMERC	Wastewater treatment sludge from the mercury cell process in chlorine production: (High Mercury Subcategory-greater than or equal to 260 mg/kg total mercury)
K113	NA	NA	CARB; or INCIN	FSUBS; or INCIN	Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene
K114	NA	NA	CARB; or INCIN	FSUBS; or INCIN	Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene
K115	NA	NA	CARB; or INCIN	FSUBS; or INCIN	Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene
K116	NA	NA	CARB; or INCIN	FSUBS; or INCIN	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine
P001	NA	81-81-2	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Warfarin (>0.3%)

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P002	NA	591-08-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	1-Acetyl-2-thiourea
P003	NA	107-02-8	NA	FSUBS; or INCIN	Acrolein
P005	NA	107-18-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Allyl alcohol
P006	NA	20859-73-8	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	Aluminum phosphide
P007	NA	2763-96-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	5-Aminoethyl 3-isoxazolol
P008	NA	504-24-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	4-Aminopyridine
P009	NA	131-74-8	CHOXD; CHRED; CARBN; or BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Ammonium picrate
P014	NA	108-95-5	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Thiophenol (Benzene thiol)
P015	NA	7440-41-7	RMETL or RTHRM	RMETL; or RTHRM	Beryllium dust
P016	NA	542-88-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Bis(chloromethyl)-ether

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P017	NA	598-31-2	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Bromoacetone
P018	NA	357-57-3	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Brucine
P022	Table B	75-15-0	NA	Carbon disulfide
P023	NA	107-20-0	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Chloroacetaldehyde
P026	NA	5344-82-1	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	1-(o-Chlorophenyl)-thiourea
P027	NA	542-76-7	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	3-Chloropropionitrile
P028	NA	100-44-7	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Benzyl chloride
P031	NA	460-19-5	CHOXD; or WETOX; or INCIN	Cyanogen
P033	NA	506-77-4	CHOXD; or WETOX; or INCIN	Cyanogen chloride
P034	NA	131-89-5	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	2-Cyclohexyl-4,6-dinitrophenol
P040	NA	297-97-2	CARBN; or INCIN	O,O-Diethyl O-pyrazinyl phosphorothioate

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P041	NA	311-45-5	CARBN; or INCIN	Diethyl-p-nitrophenyl phosphate
P042	NA	51-43-4	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Epinephrine
P043	NA	55-91-4	CARBN; or INCIN	Diisopropylfluorophosphate (DFP)
P044	NA	60-51-5	CARBN; or INCIN	Dimethoate
P045	NA	39196-18-4	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Thiofanox
P046	NA	122-09-8	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	alpha,alpha-Dimethylphenethylamine
P047	NA	534-52-1	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	4,6-Dinitro-o-cresol salts
P049	NA	541-53-7	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	2,4-Dithiobiuret
P054	NA	151-56-4	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Aziridine
P056	Table B	7782-41-4	NA	ADGAS fb NEUTR
P057	NA	640-19-7	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Fluoroacetamide

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P058	NA	62-74-8	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Fluoroacetic acid, sodium salt
P062	NA	757-58-4	CARBN; or FSUBS or INCIN	Hexaethyltetra-phosphate
P064	NA	624-83-9	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Isocyanic acid, ethyl ester
P065	Tables A & B	628-86-4	NA RMERC	Mercury fulminate: (High Mercury Sub-category--greater than or equal to 260 mg/kg total Mercury--either incinerator residues or residues from RMERC)
P065	Tables A & B	628-86-4	NA IMERC	Mercury fulminate: (All nonwastewaters that are not incinerator residues or are not residues from RMERC; regardless of Mercury Content)
P066	NA	16752-77-5	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Methomyl
P067	NA	75-55-8	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	2-Methylaziridine
P068	NA	60-34-4	CHOXD; CHRED; CARBN; BIODG; or INCIN	Methyl hydrazine
			FSUBS; CHOXD; CHRED; or INCIN	

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P069	NA	75-86-5	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Methylacetonitrile
P070	NA	116-06-3	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Aldicarb
P072	NA	86-88-4	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	1-Naphthyl-2-thio-urea
P075	NA	54-11-5 A	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Nicotine and salts
P076	NA	10102-43-9	ADGAS	Nitric oxide
P078	NA	10102-44-0	ADGAS	Nitrogen dioxide
P081	NA	55-63-0	CHOXD; CHRED; CARBN; BIODG; or INCIN	Nitroglycerin
P082	Table B	62-75-9	NA	N-Nitrosodimethyl-amine
P084	NA	4549-40-0	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	N-Nitrosomethyl-vinylamine
P085	NA	152-16-9	CARBN; or INCIN	Octamethylpyro-phosphoramide
P087	NA	20816-12-0	RMETL; or RTHRM	Osmium tetroxide
P088	NA	145-73-3	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Endothall

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P092	Tables A & B	62-38-4	NA	RMERC	Phenyl mercury acetate: (High Mercury Sub-category--greater than or equal to 260 mg/kg total Mercury--either incinerator residues or residues from RMERC)
P092	Tables A & B	62-38-4	NA	IMERC; or RMERC	Phenyl mercury acetate: (All nonwastewaters that are not incinerator residues and are not residues from RMERC: regardless of Mercury Content)
P093	NA	103-85-5	(WETOX or CHOXD) fb	INCIN	N-Phenylthiourea
P095	NA	75-44-5	(WETOX or CHOXD) fb	INCIN	Phosgene
P096	NA	7803-51-2	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	Phosphine
P102	NA	107-19-7	(WETOX or CHOXD) fb	INCIN	or Propargyl alcohol
P105	NA	26628-22-8	CHOXD; CHRED; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Sodium azide
P108	NA	57-24-9 A	(WETOX or CHOXD) fb	INCIN	Strychnine and salts

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P109	NA	3689-24-5	CARBEN; or INCIN	FSUBS; or INCIN	or Tetraethyldithio-pyrophosphate
P112	NA	509-14-8	CHOXD; CHRED; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Tetranitromethane
P113	Table B	1314-32-5	NA	RTHRM; or STABL	or Thallic oxide
P115	Table B	7446-18-6	NA	RTHRM; or STABL	or Thallium (I) sulfate
P116	NA	79-19-6	(WETOX or CHOXD) fb	INCIN	Thiosemicarbazide
P118	NA	75-70-7	(WETOX or CHOXD) fb	INCIN	Trichloromethane-thiol
P119	Table B	7803-55-6	NA	STABL	Ammonium vanadate
P120	Table B	1314-62-1	NA	STABL	Vanadium pentoxide
P122	NA	1314-84-7	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	Zinc Phosphide (>10%)
U001	NA	75-07-0	(WETOX or CHOXD) fb	INCIN	Acetaldehyde
U003	Table B	75-05-8	NA	INCIN	Acetonitrile
U006	NA	75-36-5	(WETOX or CHOXD) fb	INCIN	Acetyl chloride
U007	NA	79-06-1	(WETOX or CHOXD) fb	INCIN	Acrylamide

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U008	NA	79-10-7	(WETOX or FSUBS; or Acrylic acid CHOXD) fb INCIN CARBN; or INCIN
U010	NA	50-07-7	Mitomycin C (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U011	NA	61-82-5	Amitrole (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U014	NA	492-80-8	Auramine (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U015	NA	115-02-6	Azaserine (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U016	NA	225-51-4	Benz(c)acridine (WETOX or FSUBS; or CHOXD) fb INCIN CARBN; or INCIN
U017	NA	98-87-3	Benzal chloride (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U020	NA	98-09-9	Benzenesulfonyl chloride (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U021	NA	92-87-5	Benzidine (WETOX or INCIN CHOXD) fb CARBN; or INCIN

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U023	NA	98-07-7	CHOXD; FSUBS; Benzotrichloride CHRED; CHOXD; CARBN; CHRED; or BIODG; or INCIN INCIN
U026	NA	494-03-1	Chlornaphazin (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U033	NA	353-50-4	Carbonyl fluoride (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U034	NA	75-87-6	Trichloro- acetaldehyde (Chloral) (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U035	NA	305-03-3	Chlorambucil (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U038	Table B 510-15-6	NA	Chlorobenzilate INCIN
U041	NA	106-89-8	1-Chloro-2,3-epoxy- propane (Epichloro- hydrin) (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U042	Table B 110-75-8	NA	2-Chloroethyl vinyl ether INCIN
U046	NA	107-30-2	Chloromethyl methyl ether (WETOX or INCIN CHOXD) fb CARBN; or INCIN
U049	NA	3165-93-3	4-Chloro-o-toluidine hydrochloride (WETOX or INCIN CHOXD) fb CARBN; or INCIN

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U053	NA	4170-30-3	(WETOX or FSUBS; or Crotonaldehyde CHOXD) fb INCIN CARBN; or INCIN
U055	NA	98-82-8	(WETOX or FSUBS; or Cumene CHOXD) fb INCIN CARBN; or INCIN
U056	NA	110-82-7	(WETOX or FSUBS; or Cyclohexane CHOXD) fb INCIN CARBN; or INCIN
U057	Table B	108-94-1	NA FSUBS; or Cyclohexanone INCIN
U058	NA	50-18-0	CARBN; or FSUBS; or Cyclophosphamide INCIN
U059	NA	20830-81-3	(WETOX or INCIN CHOXD) fb CARBN; or INCIN
U062	NA	2303-16-4	(WETOX or INCIN CHOXD) fb CARBN; or INCIN
U064	NA	189-55-9	(WETOX or FSUBS; or 1,2,7,8-Dibenzo- CHOXD) fb INCIN pyrene CARBN; or INCIN
U073	NA	91-94-1	(WETOX or INCIN CHOXD) fb CARBN; or INCIN
U074	NA	1476-11-5	(WETOX or INCIN CHOXD) fb CARBN; or INCIN
			cis-1,4-Dichloro-2- butene; trans-1,4- Dichloro-2-butene

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U085	NA	1464-53-5	(WETOX or FSUBS; or 1,2:3,4-Diepoxy- CHOXD) fb INCIN CARBN; or INCIN
U086	NA	1615-80-1	CHOXD; FSUBS; N,N-Diethylhydrazine CHRED; CHOXD; CARBN; CHRED; or BIODG; or INCIN INCIN
U087	NA	3288-58-2	CARBN; or FSUBS; or O,O-Diethyl S- INCIN INCIN methylidithio- phosphate
U089	NA	56-53-1	(WETOX or FSUBS; or Diethyl stilbestrol CHOXD) fb INCIN CARBN; or INCIN
U090	NA	94-58-6	(WETOX or FSUBS; or Dihydrosafrole CHOXD) fb INCIN CARBN; or INCIN
U091	NA	119-90-4	(WETOX or INCIN CHOXD) fb CARBN; or INCIN
			3,3'-Dimethoxy- benzidine
U092	NA	124-40-3	(WETOX or INCIN CHOXD) fb CARBN; or INCIN
			Dimethylamine
U093	Table B	621-90-9	NA INCIN p-Dimethylaminoazo- benzene
U094	NA	57-97-6	(WETOX or FSUBS; or 7,12-Dimethylbenz- CHOXD) fb INCIN CARBN; or INCIN
			(a)anthracene
U095	NA	119-93-7	(WETOX or INCIN CHOXD) fb CARBN; or INCIN
			3,3'-Dimethylbenz- idine

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U096	NA	80-15-9	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	alpha, alpha-Dimethyl-benzyl hydroperoxide
U097	NA	79-44-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Dimethylcarbamoyl chloride
U098	NA	57-14-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	1,1-Dimethyl- hydrazine
U099	NA	540-73-8	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	1,2-Dimethyl- hydrazine
U103	NA	77-78-1	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Dimethyl sulfate
U109	NA	122-66-7	CHOXD; CHRED; CARBN; BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	1,2-Diphenyl- hydrazine
U110	NA	142-84-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Dipropylamine
U113	NA	140-88-5	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Ethyl acrylate
U114	NA	111-54-6	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Ethylenebisdithio- carbamic acid

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U115	NA	75-21-8	(WETOX or CHOXD) fb CARBN; or INCIN	ETHYLENE OXIDE
U116	NA	96-45-7	(WETOX or CHOXD) fb CARBN; or INCIN	Ethylene thiourea
U119	NA	62-50-0	(WETOX or CHOXD) fb CARBN; or INCIN	Ethyl methane-sulfonate
U122	NA	50-00-0	(WETOX or CHOXD) fb CARBN; or INCIN	Formaldehyde
U123	NA	64-18-6	(WETOX or CHOXD) fb CARBN; or INCIN	Formic acid
U124	NA	110-00-9	(WETOX or CHOXD) fb CARBN; or INCIN	Furan
U125	NA	98-01-1	(WETOX or CHOXD) fb CARBN; or INCIN	Furfural
U126	NA	765-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	Glycidylaldehyde
U132	NA	70-30-4	(WETOX or CHOXD) fb CARBN; or INCIN	Hexachlorophene

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U133	NA	302-01-2	CHOXD; CHRED; CARBN; or BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Hydrazine
U134	Table B	7664-39-3	NA	ADGAS fb NEUTR; or NEUTR	Hydrogen Fluoride
U135	NA	7783-06-4	CHOXD; CHRED; or INCIN	CHOXD; CHRED; or INCIN	Hydrogen Sulfide
U143	NA	303-34-4	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Lasiocarpine
U147	NA	108-31-6	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Maleic anhydride
U148	NA	123-33-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Maleic hydrazide
U149	NA	109-77-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Malononitrile
U150	NA	148-82-3	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Melphalan
U151	Tables A & B	7439-97-6	NA	RMERC	Mercury: (High Mercury Sub- category--greater than or equal to 260 mg/kg total Mercury)
U153	NA	74-93-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Methanethiol

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U154	NA	67-56-1	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	Methanol
U156	NA	79-22-1	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Methyl chloro- carbonate
U160	NA	1338-23-4	CHOXD; CHRED; or CARBN; or BIODG; or INCIN	FSUBS; CHOXD; CHRED; or INCIN	Methyl ethyl ketone peroxide
U163	NA	70-25-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	N-Methyl-N'-nitro-N- Nitrosoguanidine
U164	NA	56-04-2	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	Methylthiouracil
U166	NA	130-15-4	(WETOX or CHOXD) fb CARBN; or INCIN	FSUBS; or INCIN	1,4-Naphthoquinone
U167	NA	134-32-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	1-Naphthylamine
U168	Table B	91-59-8	NA	INCIN	2-Naphthylamine
U171	NA	79-46-9	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	2-Nitropropane
U173	NA	1116-54-7	(WETOX or CHOXD) fb CARBN; or INCIN	INCIN	N-Nitroso-diethanol- amine

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U176	NA	759-73-9	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	N-Nitroso-N-ethyl-urea		U197	NA	106-51-4	(WETOX or FSUBS; or p-Benzoquinone CHOXD) fb INCIN CARBN; or INCIN
U177	NA	684-93-5	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	N-Nitroso-N-methyl-urea		U200	NA	50-55-5	(WETOX or INCIN CHOXD) fb CARBN; or INCIN Reserpine
U178	NA	615-53-2	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	N-Nitroso-N-methyl-urethane		U201	NA	108-46-3	(WETOX or FSUBS; or Resorcinol CHOXD) fb INCIN CARBN; or INCIN
U182	NA	123-63-7	(WETOX or FSUBS; or CHOXD) fb INCIN CARBN; or INCIN	Paraaldehyde		U202	NA	81-07-2 A	(WETOX or INCIN CHOXD) fb CARBN; or INCIN Saccharin and salts
U184	NA	76-01-7	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Pentachloroethane		U206	NA	18883-66-4	(WETOX or INCIN CHOXD) fb CARBN; or INCIN Streptozotocin
U186	NA	504-60-9	(WETOX or FSUBS; or CHOXD) fb INCIN CARBN; or INCIN	1,3-Pentadiene		U213	NA	109-99-9	(WETOX or FSUBS; or CHOXD) fb INCIN CARBN; or INCIN Tetrahydrofuran
U189	NA	1314-80-3	CHOXD; CHRED; or INCIN	Phosphorus sulfide		U214	Table B 563-68-8	NA	RTHRM; or Thallium (I) acetate STABL
U191	NA	109-06-8	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	2-Picoline		U215	Table B 6533-73-9	NA	RTHRM; or Thallium (I) STABL carbonate
U193	NA	1120-71-4	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	1,3-Propene sultone		U216	Table B 7791-12-0	NA	RTHRM; or Thallium (I) STABL chloride
U194	NA	107-10-8	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	n-Propylamine		U217	Table B 10102-45-1	NA	RTHRM; or Thallium (I) STABL nitrate
						U218	NA	62-55-5	(WETOX or INCIN CHOXD) fb CARBN; or INCIN Thioacetamide

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U219	NA	62-56-6	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Thiourea	
U221	NA	25376-45-8	CARBN; or FSUBS; or INCIN INCIN	Toluenediamine	
U222	NA	636-21-5	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	o-Toluidine hydro- chloride	
U223	NA	26471-62-5	CARBN; or FSUBS; or INCIN INCIN	Toluene diisocyanate	
U234	NA	99-35-4	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	sym-Trinitrobenzene	
U236	NA	72-57-1	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Trypan Blue	
U237	NA	66-75-1	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Uracil mustard	
U238	NA	51-79-6	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Ethyl carbamate	
U240	NA	94-75-7 A	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	2,4-Dichlorophenoxy- acetic acid (salts and esters)	
U244	NA	137-26-8	(WETOX or INCIN CHOXD) fb CARBN; or INCIN	Thiram	
U246	NA	506-68-3	CHOXD; or CHOXD; WETOX; or WETOX; INCIN INCIN	Cyanogen bromide	

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U248	NA	81-81-2	(WETOX or FSUBS; or Warfarin (0.3% or CHOXD) fb INCIN less) CARBN; or INCIN		
U249	NA	1314-84-7	CHOXD; or CHOXD; CHRED; or CHRED; INCIN INCIN	Zinc Phosphide	
A			CAS Number given for parent compound only.		
B			This waste code exists in gaseous form and is not categorized as wastewater or nonwastewater forms.		
NA			Not Applicable.		

BOARD NOTE: When a combination of these technologies (i.e., a treatment train) is specified as a single treatment standard, the order of application is specified in this Table by indicating the five letter technology code that must be applied first, then the designation "fb" (an abbreviation for "Followed by"), then the five letter technology code for the technology that must be applied next, and so on. When more than one technology (or treatment train) are specified as alternative treatment standards, the five letter technology codes (or the treatment trains) are separated by a semicolon (;) with the last technology preceded by the word "or". This indicates that any one of these BDAT technologies or treatment trains can be used for compliance with the standard. See Section 728. Table C for a listing of the technology codes and technology-based treatment standards.

Derived from 40 CFR 268.42, Table 2 (1990), as amended at 56 Fed. Reg. 3876, January 31, 1991 (1991), as amended at 57 Fed. Reg. 8088, March 6, 1992.

(Source: Amended at 17 Ill. Reg. 5727, effective
March 26, 1993)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: RCRA AND UIC PERMIT PROGRAMS
- 2) Code Citation: 35 Ill. Adm. Code 702
- 3) Section Numbers: Adopted Action:
702.181 Amendment
- 4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111^{1/2}, pars. 1013, 1022.4 and 1027 [415 ILCS 5/13, 22.4 and 27].
- 5) Effective Date of Amendments: March 26, 1993
- 6) Does this rulemaking contain an automatic repeal date?: No.
- 7) Does this amendment contain incorporations by reference? No.
- 8) Date Filed in Agency's Principal Office: Opinion and order adopted on January 21, 1993, supplemented on March 11, 1993
- 9) Notice(s) of Proposal Published in Illinois Register: November 6, 1992; 16 Ill. Reg. 16924
- 10) Has JCAR issued a Statement of Objections to this (these) Rule(s)?
Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the Illinois Administrative Procedure Act [5 ILCS 100/1-1 et seq.] (APA) provide that this matter shall not be subject to first notice or to second notice review by JCAR.
- 11) Difference(s) between proposal and final version: None.
- 12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?
Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that this matter shall not be subject to first notice or to second notice review by JCAR.
- 13) Will this rule (amendments, repealer) replace in emergency rule currently in effect? No.
- 14) Are there any amendments pending on this Part? No.
- 15) Summary and Purpose of Rule(s):

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

The Board adopted an Opinion and Order in this matter, R92-10, on January 21, 1993, supplemented March 11, 1993. A copy of the Opinion and supplement are available from the address below.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1022.4(a) [415 ILCS 5/22.4(a)]) requires the Board to adopt regulations which are "identical in substance" to regulations adopted by USEPA to implement Sections 3001 through 3005 of the Resource Conservation and Recovery Act. The USEPA regulations, which deal with hazardous waste, are found at 40 CFR 260 through 270. The equivalent Board regulations are in 35 Ill. Adm. Code 702, 703, 705 and 720 through 728.

The term "identical in substance" is defined in Section 7.2 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1007.2 [415 ILCS 5/7.2]). Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that Section 5-35 of the APA does not apply. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's hazardous waste regulations to correspond with USEPA amendments appearing in the Federal Register during the period January 1 through June 30, 1992. The USEPA amendment stems from the leak detection system ("LDS") rules at 57 Fed. Reg. 3486, January 29, 1992. However, because of State court decisions as to the effect of a permit, 40 CFR 270.4 has no direct counterpart in Section 702.181. The Board has proposed only minor editorial changes, and to update the Board Note.

- 16) Information and questions regarding this adopted amendment shall be directed to:

Morton F. Dorothy
Illinois Pollution Control Board
104 W. University
Urbana, IL 61801

217/ 333-5575

The full text of the adopted amendments begins on the following page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER b: PERMITS

PART 702

RCRA AND UIC PERMIT PROGRAMS

SUBPART A: GENERAL PROVISIONS

Section
702.101
702.102
702.103
702.104
702.105
702.106
702.107
702.108
702.109
702.110

Applicability
Purpose and Scope
Confidentiality
References
Rulemaking
Agency Criteria
Permit Appeals
Variances
Enforcement
Definitions

SUBPART B: PERMIT APPLICATIONS

Section
702.120
702.121
702.122
702.123
702.124
702.125
702.126

Permit Application
Who Applies
Completeness
Information Requirements
Recordkeeping
Continuation of Expiring Permits
Signatories to Permit Applications and Reports

SUBPART C: PERMIT CONDITIONS

Section
702.140
702.141
702.142
702.143
702.144
702.145
702.146
702.147
702.148
702.149
702.150
702.151
702.152

Conditions Applicable to all Permits
Duty to Comply
Duty to Reapply
Need to Halt or Reduce Activity Not a Defense
Duty to Mitigate
Proper Operation and Maintenance
Permit Actions
Property Rights
Duty to Provide Information
Inspection and Entry
Monitoring and Records
Signatory Requirements
Reporting Requirements

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702.160 Establishing Permit Conditions
702.161 Duration of Permits
702.162 Schedules of Compliance
702.163 Alternative Schedules of Compliance
702.164 Recording and Reporting

SUBPART D: ISSUED PERMITS

Section
702.181
702.182
702.183
702.184
702.185
702.186
702.187

Effect of a Permit
Transfer
Modification
Causes for Modification
Facility Siting
Revocation
Minor Modifications

AUTHORITY: Implementing Section 13 and 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1988-~~Supp.~~ 1991, ch. 111 1/2, pars. 1013, 1022.4 and 1027) [415 ILCS 5/13, 22.4 and 27].

SOURCE: Adopted in R81-32, 47 PCB 93, at 6 Ill. Reg. 12479, effective as noted in 35 Ill. Adm. Code 700.106; amended in R82-19, at 53 PCB 131, 7 Ill. Reg. 14352, effective as noted in 35 Ill. Adm. Code 700.106; amended in R84-9 at 9 Ill. Reg. 11926, effective July 24, 1985; amended in R85-23 at 10 Ill. Reg. 13274, effective July 29, 1986; amended in R86-1 at 10 Ill. 14083, effective August 12, 1986; amended in R86-28 at 11 Ill. Reg. 6131, effective March 24, 1987; amended in R87-5 at 11 Ill. Reg. 19376, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. 2579, effective January 15, 1988; amended in R87-29 at 12 Ill. Reg. 6673, effective March 28, 1988; amended in R87-39 at 12 Ill. Reg. 13083, effective July 29, 1988; amended in R89-1 at 13 Ill. Reg. 18452, effective November 13, 1989; amended in R89-2 at 14 Ill. Reg. 3089, effective February 20, 1990; amended in R89-9 at 14 Ill. Reg. 6273, effective April 16, 1990; amended in R92-10 at 17 Ill. Reg. 5769, effective March 26, 1993.

SUBPART D: ISSUED PERMITS

Section 702.181 Effect of a Permit

- a) The existence of a RCRA or UIC permit ~~shall~~ does not constitute a defense to a violation of the Environmental Protection Act or this Subtitle, except for development, modification or operation without a permit. However, a permit may be modified, reissued or revoked during its term for cause as set forth in 35

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NOTICE OF ADOPTED AMENDMENTS

Ill. Adm. Code 703.270 through 703.273 (RCRA) and 35 Ill. Adm. Code 704.261 through 704.263 (UIC) and Section 702.186.

- b) The issuance of a permit does not convey any property rights of any sort, or any exclusive privilege.
- c) The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations, except as noted in subsection (a).

BOARD NOTE: Derived from 40 CFR 144.35 (1988) (1991) and 40 CFR 270.4 (1988), as amended at 53 Fed. Reg. 37934, September 28, 1988 (1991), as amended at 57 Fed. Reg. 3486, January 29, 1992.

(Source: Amended at 17 Ill. Reg. 5769, effective March 26, 1993)

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NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part: RCRA PERMIT PROGRAM

2) Code Citation: 35 Ill. Adm. Code 703

3) Section Numbers: Adopted Action:
 703.203 Amendment
 703.204 Amendment
 703.207 Amendment
 703.Appendix A Amendment

4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111¹, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27].

5) Effective Date of Amendments: March 26, 1993

6) Does this rulemaking contain an automatic repeal date?: No.

7) Does this amendment contain incorporations by reference? No.

8) Date Filed in Agency's Principal Office: Opinion and order adopted on January 21, 1993, supplemented on March 11, 1993

9) Notice(s) of Proposal Published in Illinois Register: November 6, 1992; 16 Ill. Reg. 16930

10) Has JCAR issued a Statement of Objections to this (these) Rule(s)?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the Illinois Administrative Procedure Act [5 ILCS 100/1-1 et seq.] (APA) provide that this matter shall not be subject to first notice or to second notice review by JCAR.

11) Difference(s) between proposal and final version:

Section	Discussion
703.207(c)	New text underlined.

12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that this matter shall not be subject to first notice or to second notice review by JCAR.

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- 13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.
- 14) Are there any amendments pending on this Part? No.
- 15) Summary and Purpose of Rule(s):

The Board adopted an Opinion and Order in this matter, R92-10, on January 21, 1993, supplemented March 11, 1993. A copy of the Opinion and supplement are available from the address below.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2. par. 1022.4(a) [415 ILCS 5/22.4(a)]) requires the Board to adopt regulations which are "identical in substance" to regulations adopted by USEPA to implement Sections 3001 through 3005 of the Resource Conservation and Recovery Act. The USEPA regulations, which deal with hazardous waste, are found at 40 CFR 260 through 270. The equivalent Board regulations are in 35 Ill. Adm. Code 702, 703, 705 and 720 through 728.

The term "identical in substance" is defined in Section 7.2 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2. par. 1007.2 [415 ILCS 5/7.2]). Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that Section 5-35 of the APA does not apply. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's hazardous waste regulations to correspond with USEPA amendments appearing in the Federal Register during the period January 1 through June 30, 1992. These include the liner and leak detection system ("LDS") rules at 57 Fed. Reg. 3486, January 29, 1992.

Section	Discussion
703.203(b)(1)	Adjusted standard procedure to be used for "alternative design" determination for surface impoundment.
703.203(b)(5)	Proposed pump operating level required in permit application.
703.204(c)(1)(A)	Adjusted standard procedure to be used for "alternative design" determination for waste pile.

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- 703.207(b)(1)(A) Adjusted standard procedure to be used for "alternative design" determination for landfill.
- 703.207(b)(1)(E) Proposed pump operating level required in permit application.
- Appendix A Items (B)(7), (H)(6) and (7), and (J)(7) and (8) added, dealing with changes to the construction quality assurance (CQA) plan, and modifications to meet the LDS rules

- 16) Information and questions regarding this adopted amendment shall be directed to:

Morton F. Dorothy
Illinois Pollution Control Board
104 W. University
Urbana, IL 61801

217/ 333-5575

The full text of the adopted amendments begins on the following page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER b: PERMITS

PART 703

RCRA PERMIT PROGRAM

SUBPART A: GENERAL PROVISIONS

Section
703.100 Scope and Relation to Other Parts
703.101 Purpose
703.110 References

SUBPART B: PROHIBITIONS

Section
703.120 Prohibitions in General
703.121 RCRA Permits
703.122 Specific Inclusions in Permit Program
703.123 Specific Exclusions from Permit Program
703.124 Discharges of Hazardous Waste
703.125 Reapplications
703.126 Initial Applications
703.127 Federal Permits (Repealed)

SUBPART C: AUTHORIZATION BY RULE AND INTERIM STATUS

Section
703.140 Purpose and Scope
703.141 Permits by Rule
703.150 Application by Existing HWM Facilities and Interim Status Qualifications
703.151 Application by New HWM Facilities
703.152 Amended Part A Application
703.153 Qualifying for Interim Status
703.154 Prohibitions During Interim Status
703.155 Changes During Interim Status
703.156 Interim Status Standards
703.157 Grounds for Termination of Interim Status
703.158 Permits for Less Than an Entire Facility
703.159 Closure by Removal
703.160 Procedures for Closure Determination

SUBPART D: APPLICATIONS

Section
703.180 Applications in General
703.181 Contents of Part A
703.182 Contents of Part B
703.183 General Information
703.184 Facility Location Information

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703.185 Groundwater Protection Information
703.186 Exposure Information
703.187 Solid Waste Management Units
703.188 Other Information
703.200 Specific Information
703.201 Containers
703.202 Tank Systems
703.203 Surface Impoundments
703.204 Waste Piles
703.205 Incinerators
703.206 Land Treatment
703.207 Landfills
703.208 Specific Part B Information Requirements for Boilers and Industrial Furnaces
703.209 Miscellaneous Units
703.210 Process Vents
703.211 Equipment
703.212 Drip Pads

SUBPART E: SHORT TERM AND PHASED PERMITS

Section
703.221 Emergency Permits
703.222 Incinerator Conditions Prior to Trial Burn
703.223 Incinerator Conditions During Trial Burn
703.224 Incinerator Conditions After Trial Burn
703.225 Trial Burns for Existing Incinerators
703.230 Land Treatment Demonstration
703.231 Research, Development and Demonstration Permits
703.232 Permits for Boilers and Industrial Furnaces Burning Hazardous Waste

SUBPART F: PERMIT CONDITIONS OR DENIAL

Section
703.240 Permit Denial
703.241 Establishing Permit Conditions
703.242 Noncompliance Pursuant to Emergency Permit
703.243 Monitoring
703.244 Notice of Planned Changes
703.245 Twenty-four Hour Reporting
703.246 Reporting Requirements
703.247 Anticipated Noncompliance

SUBPART G: CHANGES TO PERMITS

Section
703.260 Transfer
703.270 Modification
703.271 Causes for Modification
703.272 Causes for Modification or Reissuance
703.273 Facility Sitings

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- 703.280 Permit Modification at the Request of the Permittee
 703.281 Class 1 Modifications
 703.282 Class 2 Modifications
 703.283 Class 3 Modifications

Appendix A Classification of Permit Modifications

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027) [415 ILCS 5/22.4 and 27].

SOURCE: Adopted in R82-19, 53 PCB 131, at 7 Ill. Reg. 14289, effective October 12, 1983; amended in R83-24 at 8 Ill. Reg. 206, effective December 27, 1983; amended in R84-9 at 9 Ill. Reg. 11899, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 1110, effective January 2, 1987; amended in R85-23 at 10 Ill. Reg. 13284, effective July 28, 1986; amended in R86-1 at 10 Ill. Reg. 14093, effective August 12, 1986; amended in R86-19 at 10 Ill. Reg. 20702, effective December 2, 1986; amended in R86-28 at 11 Ill. Reg. 6121, effective March 24, 1987; amended in R86-46 at 11 Ill. Reg. 13543, effective August 4, 1987; amended in R87-5 at 11 Ill. Reg. 19383, effective November 12, 1987; amended in R87-26 at 12 Ill. Reg. 2584, effective January 15, 1988; amended in R87-39 at 12 Ill. Reg. 13069, effective July 29, 1988; amended in R88-16 at 13 Ill. Reg. 447, effective December 27, 1988; amended in R89-1 at 13 Ill. Reg. 18477, effective November 13, 1989; amended in R89-9 at 14 Ill. Reg. 6278, effective April 16, 1990; amended in R90-2 at 14 Ill. Reg. 14492, effective August 22, 1990; amended in R90-11 at 15 Ill. Reg. 9616, effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14554, effective September 30, 1991; amended in R91-13 at 16 Ill. Reg. 9767, effective June 9, 1992; amended in R92-10 at 17 Ill. Reg. 5774, effective March 26, 1993.

SUBPART D: APPLICATIONS

Section 703.203 Surface Impoundments

For facilities that store, treat or dispose of hazardous waste in surface impoundments, except as otherwise provided in 35 Ill. Adm. Code 724.101, the Part B application must include:

- a) A list of the hazardous wastes placed or to be placed in each surface impoundment;
- b) Detailed plans and an engineering report describing how the surface impoundment is designed and is or will be designed, constructed, operated and maintained to meet the requirements of 35 Ill. Adm. Code 724.119, 724.321.

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724.322 and 724.323. ~~This submission must address the following items as specified in that Section addressing the following items:~~

- 1) The liner system (except for an existing portion of a surface impoundment). If an exemption from the requirement for a liner is sought as provided by 35 Ill. Adm. Code 724.321(b), submit detailed plans and engineering and hydrogeologic reports as appropriate, describing alternate design and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the ground water or surface water at any future time a copy of the Board order granting an adjusted standard pursuant to 35 Ill. Adm. Code 724.321(b);
- 2) The double liner and leak (leachate) detection, collection and removal system, if the surface impoundment must meet the requirements of 35 Ill. Adm. Code 724.321(c). If an exemption from the requirements for double liners and a leak detection, collection and removal system or alternative design is sought as provided by 35 Ill. Adm. Code 724.321(d), (e) or (f), submit appropriate information;
- 3) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;
- 4) The construction quality assurance (CQA) plan if required under 35 Ill. Adm. Code 724.119;
- 5) Proposed action leakage rate, with rationale, if required under 35 Ill. Adm. Code 724.322, response action plan, if required under 35 Ill. Adm. Code 724.323, and a proposed pump operating level, if required under 35 Ill. Adm. Code 724.326(d)(3);
- 2 Prevention of overtopping; and
- 3 Structural integrity of dikes;
- c) A description of how each surface impoundment, including the double liner system, leak detection

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~~system, cover system and sewer systems and~~
~~apparatenances for control of overtopping, will be~~
~~inspected in order to meet the requirements of 35 Ill.~~
~~Adm. Code 724.326(a), and (b) and (d). This information~~
~~should must be included in the inspection plan~~
~~submitted under Section 703.183(e);~~

d) A certification by a qualified engineer which attests to the structural integrity of each dike, as required under 35 Ill. Adm. Code 724.326(c). For new units, the owner or operator ~~must~~ shall submit a statement by a qualified engineer that the engineer will provide such a certification upon completion of construction in accordance with the plans and specifications;

e) A description of the procedure to be used for removing a surface impoundment from service, as required under 35 Ill. Adm. Code 724.327(b) and (c). This information ~~should~~ must be included in the contingency plan submitted under Section 703.183(g);

f) A description of how hazardous waste residues and contaminated materials will be removed from the unit at closure, as required under 35 Ill. Adm. Code 724.328(a)(1). For any wastes not to be removed from the unit upon closure, the owner or operator ~~must~~ shall submit detailed plans and an engineering report describing how 35 Ill. Adm. Code 724.328(a)(2) and (b) will be complied with. This information ~~should~~ must be included in the closure plan and, where applicable, the post-closure plan submitted under Section 703.183(m);

g) If ignitable or reactive wastes are to be placed in a surface impoundment, an explanation of how 35 Ill. Adm. Code 724.329 will be complied with;

h) If incompatible wastes, or incompatible wastes and materials, will be placed in a surface impoundment, an explanation of how 35 Ill. Adm. Code 724.330 will be complied with; ~~i and.~~

i) A waste management plan for hazardous waste numbers F020, F021, F022, F023, F026 and F027 describing how the surface impoundment is or will be designed, constructed, operated and maintained to meet the requirements of 35 Ill. Adm. Code 724.331. This submission must address the following items as specified in that Section:

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- 1) The volume, physical and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;
- 2) The attenuative properties of underlying and surrounding soils or other materials;
- 3) The mobilizing properties of other materials co-disposed with these wastes; and
- 4) The effectiveness of additional treatment, design or monitoring techniques.

BOARD NOTE: ~~See 40 CFR 270.17 Derived from 40 CFR 270.17 (1991), as amended at 57 Fed. Reg. 3486, January 29, 1992.~~

(Source: Amended at 17 Ill. Reg. 5774, effective March 26, 1993.)

Section 703.204

Waste Piles

For facilities that store or treat hazardous waste in waste piles, except as otherwise provided in 35 Ill. Adm. Code 724.101, the Part B application must include:

- a) A list of hazardous wastes placed or to be placed in each waste pile;
- b) If an exemption is sought to 35 Ill. Adm. Code 724.351 and 724.350(c) or 724.190(b)(2), an explanation of how the requirements of 35 Ill. Adm. Code 724.350(c) will be complied with or detailed plans and an engineering report describing how the requirements of 35 Ill. Adm. Code 724.190(b)(2) will be met;
- c) Detailed plans and an engineering report describing how the pile is designed and is or will be designed, constructed, operated and maintained to meet the requirements of 35 Ill. Adm. Code 724.119, 724.351, 724.352 and 724.353, addressing the following items: ~~This submission must address the following items as specified in that Section.~~

- 1) Liner, leak detection and removal system.

A) The liner system (except for an existing

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portion of a waste pile), if the waste pile must meet the requirements of 35 Ill. Adm. Code 724.351(a). If an exemption from the requirement for a liner is sought, as provided by 35 Ill. Adm. Code 724.351(b), the owner or operator must submit detailed plans and engineering and hydrogeologic reports as appropriate, describing alternate designs and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the ground-water or surface-water at any future time shall submit a copy of the Board order granting an adjusted standard pursuant to 35 Ill. Adm. Code 724.351(b);

B) The double liner and leak (leachate) detection, collection and removal system, if the waste pile must meet the requirements of 35 Ill. Adm. Code 724.351(c). If an exemption from the requirements for double liners and a leak detection, collection and removal system or alternative design is sought as provided by 35 Ill. Adm. Code 724.351(d), (e) or (f), submit appropriate information;

C) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;

D) The CQA plan if required under 35 Ill. Adm. Code 724.119;

E) Proposed action leakage rate, with rationale, if required under 35 Ill. Adm. Code 724.352, and response action plan, if required under 35 Ill. Adm. Code 724.353;

2) Control of run-on;

3) Control of run-off;

4) Management of collection and holding units associated with run-on and run-off control systems; and

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5) Control of wind dispersal of particulate matter, where applicable;

d) A description of how each waste pile, including the double liner system, leachate collection and removal system, leak detection system, cover system and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of 35 Ill. Adm. Code 724.354(a), and (b) and (c). This information should be included in the inspection plan submitted under Section 703.183(g e).

e) If the treatment is carried out on or in the pile, details of the process and equipment used, and the nature and quality of the residuals;

f) If ignitable or reactive wastes are to be placed in a waste pile, an explanation of how the requirements of 35 Ill. Adm. Code 724.356 will be complied with;

g) If incompatible wastes, or incompatible wastes and materials, will be placed in a waste pile, an explanation of how 35 Ill. Adm. Code 724.357 will be complied with;

h) A description of how hazardous waste residues and contaminated materials will be removed from the waste pile at closure, as required under 35 Ill. Adm. Code 724.358(a). For any waste not to be removed from the waste pile upon closure, the owner or operator must shall submit detailed plans and an engineering report describing how 35 Ill. Adm. Code 724.410(a) and (b) will be complied with. This information should be included in the closure plan and, where applicable, the post-closure plan submitted under Section 703.183(m) and.

i) A waste management plan for hazardous waste numbers F020, F021, F022, F023, F026 and F027 describing how the surface impoundment is or will be designed, constructed, operated and maintained to meet the requirements of 35 Ill. Adm. Code 724.359. This submission must address the following items as specified in that Section:

1) The volume, physical and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

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- 2) The attenuative properties of underlying and surrounding soils or other materials;
- 3) The mobilizing properties of other materials co-disposed with these wastes; and
- 4) The effectiveness of additional treatment, design or monitoring techniques.

BOARD NOTE: -See 40 CFR 270.10 Derived from 40 CFR 270.18 (1991), as amended at 57 Fed. Reg. 3486, January 29, 1992.

(Source: Amended at 17 Ill. Reg. 5774, effective March 26, 1993.)

Section 703.207

Landfills

For facilities that dispose of hazardous waste in landfills, except as otherwise provided in 35 Ill. Adm. Code 724.101, the Part B application must include:

- a) A list of the hazardous wastes placed or to be placed in each landfill or landfill cell;
- b) Detailed plans and an engineering report describing how the landfill is designed and is or will be designed, constructed, operated and maintained to comply with meet the requirements of 35 Ill. Adm. Code 724.119, 724.401, 724.402 and 724.403, addressing the following items: ~~This submission must address the following items as specified in that section~~

- 1) Liner, leak detection, collection and removal systems.

A) ~~The liner system and leachate collection and removal system (except for an existing portion of a landfill), if the landfill must meet the requirements of 35 Ill. Adm. Code 724.401(a). If an exemption from the requirements for a liner and a leachate collection and removal system is sought as provided by 35 Ill. Adm. Code 724.401(b), submit detailed plans engineering and hydrogeologic reports as appropriate, describing alternate design and operating practices that will, in conjunction with~~

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~~any hazardous constituent into the groundwater or surface water at any future time a copy of the Board order granting an adjusted standard pursuant to 35 Ill. Adm. Code 724.401(b);~~

- B) ~~The double liner and leak (leachate) detection, collection and removal system, if the landfill must meet the requirements of 35 Ill. Adm. Code 724.401(c). If an exemption from the requirements for double liners and a leak detection, collection and removal system or alternative design is sought as provided by 35 Ill. Adm. Code 724.401(d), (e) or (f), submit appropriate information;~~
- C) ~~If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system;~~
- D) ~~The COA plan if required under 35 Ill. Adm. Code 724.119;~~
- E) ~~Proposed action leakage rate, with rationale, if required under 35 Ill. Adm. Code 724.402, and response action plan, if required under 35 Ill. Adm. Code 724.404, and proposed pump operating level, if required under 35 Ill. Adm. Code 724.403;~~

- 2) Control of run-on;

- 3) Control of run-off;

- 4) Management of collection and holding facilities associated with run-on and run-off control systems; and

- 5) Control of wind dispersal of particulate matter, where applicable;

- c) ~~If an exemption from 35 Ill. Adm. Code 724.402(a) is sought, as provided by 35 Ill. Adm. Code 724.402(a), the owner or operator must submit detailed plans and an engineering report explaining the location of the~~

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~~of a double liner system that incorporates a leak detection system between the liners and a leachate collection and removal system above the liners. A description of how each landfill, including the double liner system, leachate collection and removal system, leak detection system, cover system, and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of 35 Ill. Adm. Code 724.403(a), (b), and (c). This information must be included in the inspection plan submitted under Section 703.183(e).~~

- d) A description of how each landfill, including the liner and cover systems, will be inspected in order to meet the requirements of the 35 Ill. Adm. Code 724.403(a) and (b). This information ~~sheet~~ must be included in the inspection plan submitted under Section 703.183(e);
- e) Detailed plans and an engineering report describing the final cover which will be applied to each landfill or landfill cell at closure in accordance with 35 Ill. Adm. Code 724.410(a), and a description of how each landfill will be maintained and monitored after closure in accordance with 35 Ill. Adm. Code 724.410(b). This information ~~sheet~~ must be included in the closure and post-closure plans submitted under Section 703.183(m);
- f) If ignitable or reactive wastes will be landfilled, an explanation of how the requirements of 35 Ill. Adm. Code 724.412 will be complied with;
- g) If incompatible wastes, or incompatible wastes and materials, will be landfilled, an explanation of how 35 Ill. Adm. Code 724.413 will be complied with;
- h) If bulk or non-containerized liquid waste or waste containing free liquids is to be landfilled, an explanation of how the requirements of 35 Ill. Adm. Code 724.414 will be complied with;
- i) If containers of hazardous waste are to be landfilled, an explanation of how the requirements of 35 Ill. Adm. Code 724.415 or 724.416, as applicable, will be complied with ~~i~~ and.
- j) A waste management plan for hazardous waste numbers F020, F021, F022, F023, F026 and F027 describing how a landfill is or will be designed, constructed, operated

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and maintained to meet the requirements of 35 Ill. Adm. Code 724.417. This submission must address the following items as specified in that Section:

- 1) The volume, physical and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;
- 2) The attenuative properties of underlying and surrounding soils or other materials;
- 3) The mobilizing properties of other materials co-disposed with these wastes; and
- 4) The effectiveness of additional treatment, design or monitoring techniques.

BOARD NOTE: See 40-CFR-270-21 Derived from 40 CFR 270.21 (1991), as amended at 57 Fed. Reg. 3486, January 29, 1992.

(Source: Amended at 17 Ill. Reg. 5774, effective March 26, 1993)

Section 703.Appendix A Classification of Permit Modifications

Class Modifications

A. General Permit Provisions

- | | |
|----|--|
| 1 | 1. Administrative and informational changes. |
| 1 | 2. Correction of typographical errors. |
| 1 | 3. Equipment replacement or upgrading with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls). |
| 4. | Changes in the frequency of or procedures for monitoring, reporting, sampling or maintenance activities by the permittee: |
| 1 | a. To provide for more frequent monitoring, reporting or maintenance. |
| 2 | b. Other changes. |
| 5. | Schedule of compliance: |

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- 1* a. Changes in interim compliance dates, with prior approval of the Agency.
- BOARD NOTE: "*" indicates that prior Agency approval is required.
- 3 b. Extension of final compliance date.
- 1* 6. Changes in expiration date of permit to allow earlier permit termination, with prior approval of the Agency.
- 1* 7. Changes in ownership or operational control of a facility, provided the procedures of Section 703.260(b) are followed.
- B. General Facility Standards
1. Changes to waste sampling or analysis methods:
- 1 a. To conform with Agency guidance or Board regulations.
- 1 b. To incorporate changes associated with F039 (multi-source leachate) sampling or analysis methods.
- 2 c. Other changes.
2. Changes to analytical quality assurance/control plan:
- 1 a. To conform with agency guidance or regulations.
- 2 b. Other changes.
- 1 3. Changes in procedures for maintaining the operating record.
- 2 4. Changes in frequency or content of inspection schedules.
5. Changes in the training plan:
- 2 a. That affect the type or decrease the amount of training given to employees.
- 1 b. Other changes.

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6. Contingency plan:
- 2 a. Changes in emergency procedures (i.e., spill or release response procedures).
- 1 b. Replacement with functionally equivalent equipment, upgrade or relocate emergency equipment listed.
- 2 c. Removal of equipment from emergency equipment list.
- 1 d. Changes in name, address or phone number of coordinators or other persons or agencies identified in the plan.
- Note: When a permit modification (such as introduction of a new unit) requires a change in facility plans or other general facility standards, that change must be reviewed under the same procedures as the permit modification.
7. COA plan:
- 1 a. Changes that the COA officer certifies in the operating record will provide equivalent or better certainty that the unit components meet the design specifications.
- 2 b. Other changes.
- C. Groundwater Protection
1. Changes to wells:
- 2 a. Changes in the number, location, depth or design of upgradient or downgradient wells of permitted groundwater monitoring system.
- 1 b. Replacement of an existing well that has been damaged or rendered inoperable, without change to location, design or depth of the well.
- 1* 2. Changes in groundwater sampling or analysis procedures or monitoring schedule, with prior approval of the Agency.

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- 1* 3. Changes in statistical procedure for determining whether a statistically significant change in groundwater quality between upgradient and downgradient wells has occurred, with prior approval of the Agency.
- 2* 4. Changes in point of compliance.
5. Changes in indicator parameters, hazardous constituents or concentration limits (including ACLs (Alternate Concentration Limits)):
- 3 a. As specified in the groundwater protection standard.
- 2 b. As specified in the detection monitoring program.
- 2 6. Changes to a detection monitoring program as required by 35 Ill. Adm. Code 724.198(j), unless otherwise specified in this Appendix.
7. Compliance monitoring program:
- 3 a. Addition of compliance monitoring program as required by 35 Ill. Adm. Code 724.198(h)(4) and 724.199.
- 2 b. Changes to a compliance monitoring program as required by 35 Ill. Adm. Code 724.199(k), unless otherwise specified in this Appendix.
8. Corrective action program:
- 3 a. Addition of a corrective action program as required by 35 Ill. Adm. Code 724.199(i)(2) and 724.200.
- 2 b. Changes to a corrective action program as required by 35 Ill. Adm. Code 724.200(h), unless otherwise specified in this Appendix.
- D. Closure
- 1* 1. Changes to the closure plan:
 - a. Changes in estimate of maximum extent of operations or maximum inventory of waste on-site at any time during the active life of

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- 1* the facility, with prior approval of the Agency.
- b. Changes in the closure schedule for any unit, changes in the final closure schedule for the facility or extension of the closure period, with prior approval of the Agency.
- c. Changes in the expected year of final closure, where other permit conditions are not changed, with prior approval of the Agency.
- d. Changes in procedures for decontamination of facility equipment or structures, with prior approval of the Agency.
- e. Changes in approved closure plan resulting from unexpected events occurring during partial or final closure, unless otherwise specified in this Appendix.
- f. Extension of the closure period to allow a landfill, surface impoundment or land treatment unit to receive non-hazardous wastes after final receipt of hazardous wastes under 35 Ill. Adm. Code 724.213(d) or (e).
2. Creation of a new landfill unit as part of closure.
3. Addition of the following new units to be used temporarily for closure activities:
 - a. Surface impoundments.
 - b. Incinerators.
 - c. Waste piles that do not comply with 35 Ill. Adm. Code 724.350(c).
 - d. Waste piles that comply with 35 Ill. Adm. Code 724.350(c).
 - e. Tanks or containers (other than specified below).
 - f. Tanks used for neutralization, dewatering,

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phase separation or component separation, with prior approval of the Agency.

E. Post-Closure

1. Changes in name, address or phone number of contact in post-closure plan.
2. Extension of post-closure care period.
3. Reduction in the post-closure care period.
1. Changes to the expected year of final closure, where other permit conditions are not changed.
2. Changes in post-closure plan necessitated by events occurring during the active life of the facility, including partial and final closure.

F. Containers

1. Modification or addition of container units:

- 3 a. Resulting in greater than 25% increase in the facility's container storage capacity, except as provided in F(1)(c) and F(4)(a).
- 2 b. Resulting in up to 25% increase in the facility's container storage capacity, except as provided in F(1)(c) and F(4)(a).
- 1 c. Or treatment processes necessary to treat wastes that are restricted from land disposal to meet some or all of the applicable treatment standards or to treat wastes to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108, with prior approval of the Agency. This modification may also involve the addition of new waste codes or narrative description of wastes. It is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

2.

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- 2 a. Modification of a container unit without increasing the capacity of the unit.
- 1 b. Addition of a roof to a container unit without alteration of the containment system.
3. Storage of different wastes in containers, except as provided in F(4):
 - a. That require additional or different management practices from those authorized in the permit.
 - b. That do not require additional or different management practices from those authorized in the permit.

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

4. Storage or treatment of different wastes in containers:

- 2 a. That require addition of units or change in treatment process or management standards, provided that the wastes are restricted from land disposal and are to be treated to meet some or all of the applicable treatment standards, or are to be treated to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108. It is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).
- 1 b. That do not require the addition of units or a change in the treatment process or management standards, and provided that the units have previously received wastes of the same type (e.g., incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

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G. Tanks

1.

- 3 a. Modification or addition of tank units resulting in greater than 25% increase in the facility's tank capacity, except as provided in paragraphs G(1)(c), G(1)(d) and G(1)(e).
- 2 b. Modification or addition of tank units resulting in up to 25% increase in the facility's tank capacity, except as provided in paragraphs G(1)(d) and G(1)(e).
- 2 c. Addition of a new tank that will operate for more than 90 days using any of the following physical or chemical treatment technologies: neutralization, dewatering, phase separation or component separation.
- 1* d. After prior approval of the Agency, addition of a new tank that will operate for up to 90 days using any of the following physical or chemical treatment technologies: neutralization, dewatering, phase separation or component separation.
- 1 e. Modification or addition of tank units or treatment processes that are necessary to treat wastes that are restricted from land disposal to meet some or all of the applicable treatment standards or to treat wastes to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108, with prior approval of the Agency. This modification may also involve the addition of new waste codes. It is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).
- 2 2. Modification of a tank unit or secondary containment system without increasing the capacity of the unit.
- 1 3. Replacement of a tank with a tank that meets the

same design standards and has a capacity within +/- 10% of the replaced tank provided:

- a. The capacity difference is no more than 1500 gallons,
- b. The facility's permitted tank capacity is not increased and
- c. The replacement tank meets the same conditions in the permit.
- 2 4. Modification of a tank management practice.
- 3 5. Management of different wastes in tanks:
 - a. That require additional or different management practices, tank design, different fire protection specifications or significantly different tank treatment process from that authorized in the permit, except as provided in paragraph G(5)(c).
 - 2 b. That do not require additional or different management practices, tank design, different fire protection specification or significantly different tank treatment process than authorized in the permit, except as provided in paragraph G(5)(d).

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

- 1 c. That require addition of units or change in treatment processes or management standards, provided that the wastes are restricted from land disposal and are to be treated to meet some or all of the applicable treatment standards, or that are to be treated to satisfy (in whole or in part) the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108. The modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

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- 1 d. That do not require the addition of units or a change in the treatment process or management standards, and provided that the units have previously received wastes of the same type (e.g., incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

H. Surface Impoundments

- 3 1. Modification or addition of surface impoundment units that result in increasing the facility's surface impoundment storage or treatment capacity.
- 3 2. Replacement of a surface impoundment unit.
- 2 3. Modification of a surface impoundment unit without increasing the facility's surface impoundment storage or treatment capacity and without modifying the unit's liner, leak detection system or leachate collection system.
- 2 4. Modification of a surface impoundment management practice.
5. Treatment, storage or disposal of different wastes in surface impoundments:

- 3 a. That require additional or different management practices or different design of the liner or leak detection system than authorized in the permit.

- 2 b. That do not require additional or different management practices or different design of the liner or leak detection system than authorized in the permit.

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

- 1 c. That are wastes restricted from land disposal that meet the applicable treatment standards or that are treated to satisfy the standard of "use of practically available technology that yields the greatest environmental

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benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108, and provided that the unit meets the minimum technological requirements stated in 40 CFR 268.5(h)(2), incorporated by reference in 35 Ill. Adm. Code 728.105. This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

- 1 d. That are residues from wastewater treatment or incineration, provided the disposal occurs in a unit that meets the minimum technological requirements stated in 40 CFR 268.5(h)(2), incorporated by reference in 35 Ill. Adm. Code 728.105, and provided further that the surface impoundment has previously received wastes of the same type (for example, incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).

- 1* 6. Modifications of unconstructed units to comply with 35 Ill. Adm. Code 724.321(c), 724.322, 724.323 and 724.326(d).

7. Changes in response action plan:

- 3 a. Increase in action leakage rate.
- 2 b. Change in a specific response reducing its frequency or effectiveness.
- 2 c. Other changes.

I. Enclosed Waste Piles. For all waste piles, except those complying with 35 Ill. Adm. Code 724.350(c), modifications are treated the same as for a landfill. The following modifications are applicable only to waste piles complying with 35 Ill. Adm. Code 724.350(c).

1. Modification or addition of waste pile units:
- 3 a. Resulting in greater than 25% increase in the facility's waste pile storage or treatment capacity.

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- 2 b. Resulting in up to 25% increase in the facility's waste pile storage or treatment capacity.
 - 2 2. Modification of waste pile unit without increasing the capacity of the unit.
 - 1 3. Replacement of a waste pile unit with another waste pile unit of the same design and capacity and meeting all waste pile conditions in the permit.
 - 2 4. Modification of a waste pile management practice.
 - 5 5. Storage or treatment of different wastes in waste piles:
 - 3 a. That require additional or different management practices or different design of the unit.
 - 2 b. That do not require additional or different management practices or different design of the unit.
- Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.
- J. Landfills and Unenclosed Waste Piles
- 3 1. Modification or addition of landfill units that result in increasing the facility's disposal capacity.
 - 3 2. Replacement of a landfill.
 - 3 3. Addition or modification of a liner, leachate collection system, leachate detection system, run-off control or final cover system.
 - 2 4. Modification of a landfill unit without changing a liner, leachate collection system, leachate detection system, run-off control or final cover system.
 - 2 5. Modification of a landfill management practice.

- 3 6. Landfill different wastes:
 - 2 a. That require additional or different management practices, different design of the liner, leachate collection system or leachate detection system.
 - 2 b. That do not require additional or different management practices, different design of the liner, leachate collection system or leachate detection system.
- Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.
- 1 c. That are wastes restricted from land disposal that meet the applicable treatment standards or that are treated to satisfy the standard of "use of practically available technology that yields the greatest environmental benefit" contained in 40 CFR 268.8(a)(2)(ii), incorporated by reference in 35 Ill. Adm. Code 728.108, and provided that the landfill unit meets the minimum technological requirements stated in 40 CFR 268.5(h)(2), incorporated by reference in 35 Ill. Adm. Code 728.105. This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).
 - 1 d. That are residues from wastewater treatment or incineration, provided the disposal occurs in a landfill unit that meets the minimum technological requirements stated in 40 CFR 268.5(h)(2), incorporated by reference in 35 Ill. Adm. Code 728.105, and provided further that the landfill has previously received wastes of the same type (for example, incinerator ash). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028).
 - 1* 7. Modification of unconstructed units to comply with 35 Ill. Adm. Code 724.351(c), 724.352, 724.353, 724.354(c), 724.401(c), 724.402, 724.403(c) and 724.404.

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8. Changes in response action plan:
- a. Increase in action leakage rate.
 - b. Change in a specific response reducing its frequency or effectiveness.
 - c. Other changes.
- K. Land Treatment
1. Lateral expansion of or other modification of a land treatment unit to increase area extent.
 2. Modification of run-on control system.
 3. Modify run-off control system.
 4. Other modification of land treatment unit component specifications or standards required in permit.
 5. Management of different wastes in land treatment units:
 - a. That require a change in permit operating conditions or unit design specifications.
 - b. That do not require a change in permit operating conditions or unit design specifications.
 6. Modification of a land treatment unit management practice to:

Note: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

 - a. Increase rate or change method of waste application.
 - b. Decrease rate of waste application.
 7. Modification of a land treatment unit management practice to change measures of pH or moisture content or to enhance microbial or chemical reactions.

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- 3 8. Modification of a land treatment unit management practice to grow food chain crops, to add to or replace existing permitted crops with different food chain crops or to modify operating plans for distribution of animal feeds resulting from such crops.
- 3 9. Modification of operating practice due to detection of releases from the land treatment unit pursuant to 35 Ill. Adm. Code 724.378(g)(2).
- 3 10. Changes in the unsaturated zone monitoring system resulting in a change to the location, depth, number of sampling points or replace unsaturated zone monitoring devices or components of devices with devices or components that have specifications different from permit requirements.
- 2 11. Changes in the unsaturated zone monitoring system that do not result in a change to the location, depth, number of sampling points, or that replace unsaturated zone monitoring devices or components of devices with devices or components having specifications different from permit requirements.
- 2 12. Changes in background values for hazardous constituents in soil and soil-pore liquid.
- 2 13. Changes in sampling, analysis or statistical procedure.
- 2 14. Changes in land treatment demonstration program prior to or during the demonstration.
- 1* 15. Changes in any condition specified in the permit for a land treatment unit to reflect results of the land treatment demonstration, provided performance standards are met, and the Agency's prior approval has been received.
- 1* 16. Changes to allow a second land treatment demonstration to be conducted when the results of the first demonstration have not shown the conditions under which the wastes can be treated completely, provided the conditions for the second demonstration are substantially the same as the conditions for the first demonstration and have received the prior approval of the Agency.

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3 17. Changes to allow a second land treatment demonstration to be conducted when the results of the first demonstration have not shown the conditions under which the wastes can be treated completely, where the conditions for the second demonstration are not substantially the same as the conditions for the first demonstration.

2 18. Changes in vegetative cover requirements for closure.

L. Incinerators, Boilers and Industrial Furnaces

3 1. Changes to increase by more than 25% any of the following limits authorized in the permit: A thermal feed rate limit, a feedstream feed rate limit, a chlorine/chloride feed rate limit, a metal feed rate limit or an ash feed rate limit. The Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.

2 2. Changes to increase by up to 25% any of the following limits authorized in the permit: A thermal feed rate limit, a feedstream feed rate limit, a chlorine/chloride feed rate limit, a metal feed rate limit or an ash feed rate limit. The Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.

3 3. Modification of an incinerator, boiler or industrial furnace unit by changing the internal size or geometry of the primary or secondary combustion units, by adding a primary or secondary combustion unit, by substantially changing the design of any component used to remove HCl/Cl₂, metals or particulate from the combustion gases or by changing other features of the incinerator, boiler or industrial furnace that could affect its capability to meet the regulatory performance standards. The Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards, unless this demonstration can be made through other means.

2 4. Modification of an incinerator, boiler or

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industrial furnace unit in a manner that will not likely affect the capability of the unit to meet the regulatory performance standards but which will change the operating conditions or monitoring requirements specified in the permit. The Agency may require a new trial burn to demonstrate compliance with the regulatory performance standards.

5. Operating requirements:

3 a. Modification of the limits specified in the permit for minimum or maximum combustion gas temperature, minimum combustion gas residence time, oxygen concentration in the secondary combustion chamber, flue gas carbon monoxide or hydrocarbon concentration, maximum temperature at the inlet to the PM emission control system or operating parameters for the air pollution control system. The Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.

3 b. Modification of any stack gas emission limits specified in the permit, or modification of any conditions in the permit concerning emergency shutdown or automatic waste feed cutoff procedures or controls.

2 c. Modification of any other operating condition or any inspection or recordkeeping requirement specified in the permit.

6. Burning different wastes:

3 a. If the waste contains a POHC that is more difficult to burn than authorized by the permit or if burning of the waste requires compliance with different regulatory performance standards than specified in the permit, the Agency shall require a new trial burn to substantiate compliance with the regulatory performance standards, unless this demonstration can be made through other means.

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- 2 b. If the waste does not contain a POHC that is more difficult to burn than authorized by the permit and if burning of the waste does not require compliance with different regulatory performance standards than specified in the permit.

BOARD NOTE: See Section 703.280(g) for modification procedures to be used for the management of newly listed or identified wastes.

7. Shakedown and trial burn:

- 2 a. Modification of the trial burn plan or any of the permit conditions applicable during the shakedown period for determining operational readiness after construction, the trial burn period or the period immediately following the trial burn.

- 1* b. Authorization of up to an additional 720 hours of waste burning during the shakedown period for determining operational readiness after construction, with the prior approval of the Agency.

- 1* c. Changes in the operating requirements set in the permit for conducting a trial burn, provided the change is minor and has received the prior approval of the Agency.

- 1* d. Changes in the ranges of the operating requirements set in the permit to reflect the results of the trial burn, provided the change is minor and has received the prior approval of the Agency.

- 1 8. Substitution of an alternate type of nonhazardous waste fuel that is not specified in the permit.

BOARD NOTE: Derived from 40 CFR 270.42, Appendix I (1990), as amended at 56 Fed. Reg. 7206, February 21, 1991.

(Source: Amended at 17 Ill. Reg. 5774, effective March 26, 1993)

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- 1) Heading of the Part: STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES
- 2) Code Citation: 35 Ill. Adm. Code 724

3) Section Numbers:Adopted Action:

724.113	Amendment
724.115	Amendment
724.119	New Section
724.173	Amendment
724.321	Amendment
724.322	New Section
724.323	New Section
724.326	Amendment
724.328	Amendment
724.351	Amendment
724.352	New Section
724.353	New Section
724.354	Amendment
724.401	Amendment
724.402	New Section
724.403	Amendment
724.404	New Section
724.410	Amendment
724.673	Amendment

- 4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111 $\frac{1}{2}$, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27].

- 5) Effective Date of Amendments: March 26, 1993

- 6) Does this rulemaking contain an automatic repeal date?: No.

- 7) Does this amendment contain incorporations by reference? No.

- 8) Date Filed in Agency's Principal Office: Opinion and order adopted on January 21, 1993, supplemented on March 11, 1993

- 9) Notice(s) of Proposal Published in Illinois Register: November 6, 1992; 16 Ill. Reg. 16970

- 10) Has JCAR issued a Statement of Objections to this (these) Rule(s)?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the Illinois Administrative Procedure Act [5 ILCS 100/1-1 et seq.] (APA) provide that this matter shall not be subject to first notice or to second notice.

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review by JCAR.

- 11) Difference(s) between proposal and final version:

<u>Section</u>	<u>Discussion</u>
724.113 et seq.	"Above" or "below" added after each subsection reference.
724.322 et seq.	Section headings and source notes reworded for previously repealed Sections.
724.323(c)	"Either" moved; new grouping text added.
724.353(c)	"Either" moved; new grouping text added.
724.404(c)	"Either" moved; new grouping text added.
724.673(a)	Board Note revised, extending stays until R93-4.

- 12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that this matter shall not be subject to first notice or to second notice review by JCAR.

- 13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.

- 14) Are there any amendments pending on this Part? No.

- 15) Summary and Purpose of Rule(s):

The Board adopted an Opinion and Order in this matter, R92-10, on January 21, 1993, supplemented March 11, 1993. A copy of the Opinion and supplement are available from the address below.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2. par. 1022.4(a) [415 ILCS 5/22.4(a)]) requires the Board to adopt regulations which are "identical in substance" to regulations adopted by USEPA to implement Sections 3001 through 3005 of the Resource Conservation and Recovery Act. The USEPA regulations, which

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deal with hazardous waste, are found at 40 CFR 260 through 270. The equivalent Board regulations are in 35 Ill. Adm. Code 702, 703, 705 and 720 through 728.

The term "identical in substance" is defined in Section 7.2 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2. par. 1007.2 [415 ILCS 5/7.2]). Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that Section 5-35 of the APA does not apply. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's hazardous waste regulations to correspond with USEPA amendments appearing in the Federal Register during the period January 1 through June 30, 1992. These include the liner and leak detection system ("LDS") rules at 57 Fed. Reg. 3486, January 29, 1992.

SectionDiscussion

724.119

Construction quality assurance (CQA) required for certain units in connection with the LDS rules.

724.321(b)

Modified to allow the use of adjusted standards for approval of alternate design or operating practices for surface impoundments.

724.321(c)

Requires persons who treat, store or dispose of hazardous waste in a new unit on which construction commences after January 29, 1992, a lateral expansion of a unit on which construction commences after July 29, 1992, and a replacement of an existing unit that is to commence reuse after July 29, 1992, to install a leak detection system.

724.321(c)(1) & (2)

The lower liner component must be constructed of soil material with a hydraulic conductivity of no more than 1×10^{-7} cm/sec. Drainage layer must be of materials with a hydraulic conductivity of 1×10^{-1} cm/sec or more and a thickness of 12 inches or more, or geonet materials with a transmissivity

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of 3×10^{-4} m²/sec or more.

724.321(f)

Exemption for replacement units built according to former State rules which implemented HSWA requirements.

724.322(b)

Alternative sump level monitoring frequency is available only following closure.

724.323

Proposed response action plan required with permit application.

724.326(d) (3)

Proposed pump operating level required with permit application.

724.351(b)

Modified to allow the use of adjusted standards for approval of alternate design or operating practices for waste piles.

724.351(c)

Requires persons who treat, store or dispose of hazardous waste in a new unit on which construction commences after January 29, 1992, a lateral expansion of a unit on which construction commences after July 29, 1992, and a replacement of an existing unit that is to commence reuse after July 29, 1992, to install a leak detection system. HSWA-driven dates are already required as a matter of federal law.

724.351(f)

Exemption for replacement units built according to federal statutory requirements, which are paraphrased in a Board Note.

724.352(b)

Modified sump monitoring frequency is not available for waste piles, which must close by removal of wastes and residues.

724.401(b)

Modified to allow the use of adjusted standards for approval of alternate design or operating practices for landfills.

724.401(f)

Exemption for replacement units built

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according to former State rules which implemented HSWA requirements.

724.402(b)

Alternative sump level monitoring frequency is available only following closure.

724.403(c) (3)

Proposed pump operating level required with permit application.

724.673(a) (4)

USEPA terminated the wood preserving stays at 57 Fed. Reg. 61492, December 24, 1992. Board is extending the stays of the State rules until the Board is able to address the accompanying revisions to the wood preserving rules in R93-4.

16) Information and questions regarding this adopted amendment shall be directed to:

Morton F. Dorothy
Illinois Pollution Control Board
104 W. University
Urbana, IL 61801

217/ 333-5575

The full text of the adopted amendments begins on the following page:

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NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 724

STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITIES

SUBPART A: GENERAL PROVISIONS

Section
724.101
724.103

Purpose, Scope and Applicability
Relationship to Interim Status Standards

SUBPART B: GENERAL FACILITY STANDARDS

Section
724.110
724.111
724.112
724.113
724.114
724.115
724.116
724.117
724.119
724.118

Applicability
Identification Number
Required Notices
General Waste Analysis
Security
General Inspection Requirements
Personnel Training
General Requirements for Ignitable, Reactive or Incompatible Wastes
Construction Quality Assurance Program
Location Standards

SUBPART C: PREPAREDNESS AND PREVENTION

Section
724.130
724.131
724.132
724.133
724.134
724.135
724.137

Applicability
Design and Operation of Facility
Required Equipment
Testing and Maintenance of Equipment
Access to Communications or Alarm System
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Groundwater Monitoring List

AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027) [415 ILCS 5/22.4 and 27].

SOURCE: Adopted in R82-19, 53 PCB 131, at 7 Ill. Reg. 14059, effective October 12, 1983; amended in R84-9 at 9 Ill. Reg. 11964, effective July 24, 1985; amended in R85-22 at 10 Ill. Reg. 1136, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 14119, effective August 12, 1986; amended in R86-28 at 11 Ill. Reg. 6138, effective March 24, 1987; amended in R86-28 at 11 Ill. Reg. 6884, effective April 21, 1987; amended in R87-5 at 11 Ill. Reg. 13577, effective August 4, 1987; amended in R87-39 at 12 Ill. Reg. 19397, effective November 12, 1987; amended in R88-16 at 13 Ill. Reg. 13135, effective July 29, 1988; amended in R89-1 at 13 Ill. Reg. 458, effective December 28, 1988; amended in R90-2 at 14 Ill. Reg. 18527, effective November 13, 1989; amended in R90-2 at 14 Ill. Reg. 14511, effective August 22, 1990; amended in R90-10 at 14 Ill. Reg. 16658, effective September 25, 1990; amended in R90-11 at 15 Ill. Reg. 9654, effective June 17, 1991; amended in R91-1 at 15 Ill. Reg. 14572, effective October 1, 1991; amended in R91-13 at 16 Ill. Reg. 9833, effective June 9, 1992; amended in R92-1 at 16 Ill. Reg. 17702, effective November 6, 1992; amended in R92-10 at 17 Ill. Reg. 5806, effective March 26, 1993.

SUBPART B: GENERAL FACILITY STANDARDS

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Section 724.113 General Waste Analysis

a) Analysis:

- 1) Before an owner or operator treats, stores or disposes of any hazardous wastes, or non-hazardous wastes if applicable under Section 724.213(d), the owner or operator shall obtain a detailed chemical and physical analysis of a representative sample of the wastes. At a minimum, ~~this~~ the analysis must contain all the information which must be known to treat, store or dispose of the waste in accordance with the requirements of this Part ~~of~~ and 35 Ill. Adm. Code 728, ~~or with the conditions of a permit issued under 35 Ill. Adm. Code 702, 703 and 705.~~

- 2) The analysis may include data developed under 35 Ill. Adm. Code 721, and existing published or documented data on the hazardous waste or on hazardous waste generated from similar processes.

BOARD NOTE: For example, the facility's records of analyses performed on the waste before the effective date of these regulations, or studies conducted on hazardous waste generated from processes similar to that which generated the waste to be managed at the facility, may be included in the data base required to comply with subsection (a)(1) above. The owner or operator of an off-site facility may arrange for the generator of the hazardous waste to supply part or all of the information required by subsection (a)(1) above, except as otherwise specified in 35 Ill. Adm. Code 728.107(b) and (c). If the generator does not supply the information, and the owner or operator chooses to accept a hazardous waste, the owner or operator is responsible for obtaining the information required to comply with this Section.

- 3) The analysis must be repeated as necessary to ensure that it is accurate and up to date. At a minimum, the analysis must be repeated:

- A) When the owner or operator is notified, or has reason to believe, that the process or operation generating the hazardous waste, or non-hazardous waste if applicable under Section 724.213(d), has changed; and

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- B) For off-site facilities, when the results of the inspection required in subsection (a)(4) below indicate that the hazardous waste received at the facility does not match the waste designated on the accompanying manifest or shipping paper.

- 4) The owner or operator of an off-site facility shall inspect and, if necessary, analyze each hazardous waste movement received at the facility to determine whether it matches the identity of the waste specified on the accompanying manifest or shipping paper.

The owner or operator shall develop and follow a written waste analysis plan which describes the procedures which it will carry out to comply with subsection (a) above. The owner or operator shall keep this plan at the facility. At a minimum, the plan must specify:

- 1) The parameters for which each hazardous waste, or non-hazardous waste if applicable under Section 724.213(d), will be analyzed and the rationale for the selection of these parameters (i.e., how analysis for these parameters will provide sufficient information on the waste's properties to comply with subsection (a) above).

- 2) The test methods which will be used to test for these parameters.

- 3) The sampling method which will be used to obtain a representative sample of the waste to be analyzed. A representative sample may be obtained using either:

- A) One of the sampling methods described in 35 Ill. Adm. Code 721.Appendix A; or

- B) An equivalent sampling method.

BOARD NOTE: See 35 Ill. Adm. Code 720.121 for related discussion.

- 4) The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up to date.

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- 5) For off-site facilities, the waste analyses that hazardous waste generators have agreed to supply.
- 6) Where applicable, the methods which will be used to meet the additional waste analysis requirements for specific waste management methods as specified in Sections 724.117, 724.414, 724.441, 724.934(d) and 724.963(d), and 35 Ill. Adm. Code 728.107. And,

- 7) For surface impoundments exempted from land disposal restrictions under 35 Ill. Adm. Code 728.104(a), the procedures and schedules for:

- A) The sampling of impoundment contents;
- B) The analysis of test data; and,
- C) The annual removal of residues which are not delisted under 35 Ill. Adm. Code 720.122 or which exhibit a characteristic of hazardous waste, and either:
- i) Do not meet applicable treatment standards of 35 Ill. Adm. Code 728.Subpart D; or
 - ii) Where no treatment standards have been established: Such residues are prohibited from land disposal under 35 Ill. Adm. Code 728.132 or 728.139; or such residues are prohibited from land disposal under 35 Ill. Adm. Code 728.133(f).

- c) For off-site facilities, the waste analysis plan required in subsection (b) above must also specify the procedures which will be used to inspect and, if necessary, analyze each movement of hazardous waste received at the facility to ensure that it matches the identity of the waste designated on the accompanying manifest or shipping paper. At a minimum, the plan must describe:

- 1) The procedures which will be used to determine the identity of each movement of waste managed at the facility; and
- 2) The sampling method which will be used to obtain a

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representative sample of the waste to be identified, if the identification method includes sampling.

BOARD NOTE: 35 Ill. Adm. Code 703, requires that the waste analysis plan be submitted with Part B of the permit application.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.115 General Inspection Requirements

- a) The owner or operator shall conduct inspections often enough to identify problems in time to correct them before they harm human health or the environment. The owner or operator shall inspect the facility for malfunctions and deterioration, operator errors and discharges which may be causing, or may lead to:

- 1) Release of hazardous waste constituents to the environment; or

- 2) A threat to human health.

- b) Inspection schedule.

- 1) The owner or operator shall develop and follow a written schedule for inspecting monitoring equipment, safety and emergency equipment, security devices and operating and structural equipment (such as dikes and sump pumps) that are important to preventing, detecting or responding to environmental or human health hazards.

- 2) The owner or operator shall keep this schedule at the facility.

- 3) The schedule must identify the types of problems (e.g., malfunctions or deterioration) which are to be looked for during the inspection (e.g., inoperative sump pump, leaking fitting, eroding dike, etc.).

- 4) The frequency of inspection may vary for the items on the schedule. However, it should be based on the rate of possible deterioration of the equipment and the probability of an environmental or human health incident if the deterioration,

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malfunction or any operator error goes undetected between inspections. Areas subject to spills, such as loading and unloading areas, must be inspected daily when in use. At a minimum, the inspection schedule must include the ~~terms~~ items and frequencies called for in Sections 724.274, 724.294, 724.293, 724.295, 724.326, 724.353, 724.354, 724.378, 724.403, 724.447, 724.702, 724.933, 724.952, 724.953 and 724.958, where applicable.

BOARD NOTE: 35 Ill. Adm. Code 703 requires the inspection schedule to be submitted with Part B of the permit application. The Agency will evaluate the schedule along with the rest of the application to ensure that it adequately protects human health and the environment. As part of this review, the Agency may modify or amend the schedule as may be necessary.

c) The owner or operator shall remedy any deterioration or malfunction of equipment or structures which the inspection reveals on a schedule which ensures that the problem does not lead to an environmental or human health hazard. Where a hazard is imminent or has already occurred, remedial action must be taken immediately.

d) The owner or operator shall record inspections in an inspection log or summary. The owner or operator shall keep these records for at least three years from the date of inspection. At a minimum, these records must include the date and time of the inspection, the name of the inspector, a notation of the observations made and the date and nature of any repairs or other remedial actions.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.119 Construction Quality Assurance Program

a) Construction quality assurance (COA) program.

1) A COA program is required for all surface impoundment, waste pile and landfill units that are required to comply with Sections 724.321(c) and (d), 724.351(c) and (d), and 724.401(c) and (d). The program must ensure that the constructed

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unit meets or exceeds all design criteria and specifications in the permit. The program must be developed and implemented under the direction of a COA officer who is a registered professional engineer.

2) The COA program must address the following physical components, where applicable:

A) Foundations;

B) Dikes;

C) Low-permeability soil liners;

D) Geomembranes (flexible membrane liners);

E) Leachate collection and removal systems and leak detection systems; and

F) Final cover systems.

b) Written COA plan. The owner or operator of units subject to the COA program under subsection (a) above must develop and implement a written COA plan. The plan must identify steps that will be used to monitor and document the quality of materials and the condition and manner of their installation. The COA plan must include:

1) Identification of applicable units, and a description of how they will be constructed.

2) Identification of key personnel in the development and implementation of the COA plan, and COA officer qualifications.

3) A description of inspection and sampling activities for all unit components identified in subsection (a)(2) above, including observations and tests that will be used before, during and after construction to ensure that the construction materials and the installed unit components meet the design specifications. The description must cover: Sampling size and locations; frequency of testing; data evaluation procedures; acceptance and rejection criteria for construction materials; plans for implementing corrective measures; and data or other information that is recorded and

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retained in the operating record under Section 724.173.

c) Contents of program.

1) The COA program must include observations, inspections, tests and measurements sufficient to ensure:

- A) Structural stability and integrity of all components of the unit identified in subsection (a)(2) above;
- B) Proper construction of all components of the liners, leachate collection and removal system, leak detection system and final cover system, according to permit specifications and good engineering practices and proper installation of all components (e.g., pipes) according to design specifications;
- C) Conformity of all materials used with design and other material specifications under Sections 724.321, 724.351 and 724.401.

2) The COA program must include test fills for compacted soil liners, using the same compaction methods as in the full scale unit, to ensure that the liners are constructed to meet the hydraulic conductivity requirements of Sections 724.321(c)(1)(A)(ii), 724.351(c)(1)(A)(ii) or 724.401(c)(1)(A)(ii) in the field. Compliance with the hydraulic conductivity requirements must be verified by using in-situ testing on the constructed test fill. The Agency shall accept an alternative demonstration, in lieu of a test fill, where data are sufficient to show that a constructed soil liner will meet the hydraulic conductivity requirements of Sections 724.321(c)(1)(A)(ii), 724.351(c)(1)(A)(ii) or 724.401(c)(1)(A)(ii) in the field.

d) Certification. Waste must not be received in a unit subject to Section 724.119 until the owner or operator has submitted to the Agency by certified mail or hand delivery a certification signed by the COA officer that the approved COA plan has been successfully carried out and that the unit meets the requirements of Sections 724.321(c) or (d), 724.351(c) or (d), or 724.401(c) or

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(d); and the procedure in 35 Ill. Adm. Code 703.247(b) has been completed. Documentation supporting the COA officer's certification must be furnished to the Agency upon request.

(Source: Added at 17 Ill. Reg. 5806, effective March 26, 1993)

SUBPART E: MANIFEST SYSTEM, RECORDKEEPING AND REPORTING

Section 724.173 Operating Record

- a) The owner or operator shall keep a written operating record at the facility.
- b) The following information must be recorded, as it becomes available, and maintained in the operating record until closure of the facility:
 - 1) A description and the quantity of each hazardous waste received, and the method or methods and date or dates of its treatment, storage or disposal at the facility as required by Appendix A;
 - 2) The location of each hazardous waste within the facility and the quantity at each location. For disposal facilities, the location and quantity of each hazardous waste must be recorded on a map or diagram of each cell or disposal area. For all facilities, this information must include cross-references to specific manifest document numbers, if the waste was accompanied by a manifest;

BOARD NOTE: See Section 724.219 for related requirements.

- 3) Records and results of waste analyses performed as specified in Sections 724.113, 724.117, 724.414, 724.441, 724.934, 724.963, and in 35 Ill. Adm. Code 728.104(a) and 728.107;
- 4) Summary reports and details of all incidents that require implementing the contingency plan as specified in Section 724.156(j);
- 5) Records and results of inspections as required by Section 724.115(d) (except these data need to be kept only three years);

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- 6) Monitoring, testing or analytical data and corrective action data where required by Subpart F or Sections 724.119, 724.291, 724.293, 724.295, 724.322, 724.323, 724.326, 724.353, 724.352 through 724.354, 724.376, 724.378, 724.380, 724.403, 724.402 through 724.404, 724.409, 724.447, 724.702, 724.934(c) through (f), 724.935, 724.963(d) through (i) or 724.964.
- 7) For off-site facilities, notices to generators as specified in Section 724.112(b);
- 8) All closure cost estimates under Section 724.242 and, for disposal facilities, all post-closure cost estimates under Section 724.244;
- 9) A certification by the permittee, no less often than annually: that the permittee has a program in place to reduce the volume and toxicity of hazardous waste that the permittee generates, to the degree the permittee determines to be economically practicable; and that the proposed method of treatment, storage or disposal is that practicable method currently available to the permittee which minimizes the present and future threat to human health and the environment;
- 10) Records of the quantities (and date of placement) for each shipment of hazardous waste placed in land disposal units under an extension of the effective date of any land disposal restriction granted pursuant to 35 Ill. Adm. Code 728.105, a petition pursuant to 35 Ill. Adm. Code 728.106 or a certification under 35 Ill. Adm. Code 728.108, and the applicable notice required of a generator under 35 Ill. Adm. Code 728.107(a);
- 11) For an off-site treatment facility, a copy of the notice, and the certification and demonstration, if applicable, required of the generator or the owner or operator under 35 Ill. Adm. Code 728.107 or 728.108;
- 12) For an on-site treatment facility, the information contained in the notice (except the manifest number), and the certification and demonstration, if applicable, required of the generator or the owner or operator under 35 Ill. Adm. Code 728.107 or 728.108;

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- 13) For an off-site land disposal facility, a copy of the notice, and the certification and demonstration, if applicable, required of the generator or the owner or operator of a treatment facility under 35 Ill. Adm. Code 728.107 or 728.108, whichever is applicable; and
- 14) For an on-site land disposal facility, the information contained in the notice required of the generator or owner or operator of a treatment facility under 35 Ill. Adm. Code 728.107, except for the manifest number, and the certification and demonstration if applicable, required under 35 Ill. Adm. Code 728.108, whichever is applicable.
- 15) For an off-site storage facility, a copy of the notice, and the certification and demonstration if applicable, required of the generator or the owner or operator under 35 Ill. Adm. Code 728.107 or 728.108; and,
- 16) For an on-site storage facility, the information contained in the notice (except the manifest number), and the certification and demonstration if applicable, required of the generator or the owner or operator under 35 Ill. Adm. Code 728.107 or 728.108.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

SUBPART K: SURFACE IMPOUNDMENTS

Section 724.321 Design and Operating Requirements

- a) Any surface impoundment that it not covered by subsection (c) below or 35 Ill. Adm. Code 725.321 must have a liner for all portions of the impoundment (except for existing portions of such impoundment). The liner must be designed, constructed and installed to prevent any migration of wastes out of the impoundment to the adjacent subsurface soil or groundwater or surface water at any time during the active life (including the closure period) of the impoundment. The liner may be constructed of materials that may allow wastes to migrate into the liner (but not into the adjacent subsurface soil or groundwater or surface water) during the active life of the facility, provided that the impoundment is closed in accordance

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with Section 724.328(a)(1). For impoundments that will be closed in accordance with Section 724.328(a)(2), the liner must be constructed of materials that can prevent wastes from migrating into the liner during the active life of the facility. The liner must be:

- 1) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrogeologic forces), physical contact with the waste or leachate to which they are exposed, climatic conditions, the stress of installation and the stress of daily operation;
- 2) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression or uplift; and
- 3) Installed to cover all surrounding earth likely to be in contact with the waste or leachate.

- b) The owner or operator will be exempted from the requirements of subsection (a) above if the Board finds, based on a demonstration by the owner or operator, in a variance and/or site-specific rulemaking, grants an adjusted standard pursuant to 35 Ill. Adm. Code 106.Subpart G. The level of justification is a demonstration by the owner or operator that alternate design and/or operating practices, together with location characteristics, will prevent the migration of any hazardous constituents (see Section 724.193) into the groundwater or surface water at any future time. In deciding whether to grant an exemption, the Board will consider:

- 1) The nature and quantity of the wastes;
- 2) The proposed alternate design and operation;
- 3) The hydrogeologic setting of the facility, including the attenuative capacity and thickness of the liners and soils present between the impoundment and groundwater or surface water; and
- 4) All other factors which would influence the quality and mobility of the leachate produced and

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the potential for it to migrate to groundwater or surface water.

- c) The owner or operator of each new surface impoundment, each new surface impoundment unit at an existing facility, each replacement of an existing surface impoundment unit and each lateral expansion of an existing surface impoundment unit, must install two or more liners and a leachate collection system between such liners. The liners and leachate collection system must protect human health and the environment. The requirements of this subsection apply with respect to all waste received after the issuance of the permit for units where Part B of the permit application is received by the Agency or USFPA after November 8, 1984. The requirement for the installation of two or more liners in this subsection may be satisfied by the installation of a top liner designed, operated and constructed of materials to prevent the migration of any constituent into such liner during the period such facility remains in operation (including any post-closure monitoring period), and a lower liner designed, operated and constructed to prevent the migration of any constituent through such liner during such period. For the purpose of the preceding sentence, a lower liner shall be deemed to satisfy such requirement if it is constructed of at least a 3-foot thick layer of recompacted clay or other natural material with a permeability of no more than 1 x 10⁻⁷ centimeter per second, unit on which construction commences after January 29, 1992, each lateral expansion of a surface impoundment unit on which construction commences after July 29, 1992, and each replacement of an existing surface impoundment unit that is to commence reuse after July 29, 1992, shall install two or more liners and a leachate collection and removal system between such liners. "Construction commences" is as defined in 35 Ill. Adm. Code 720.110 under "existing facility".

1) Liner requirements.

A) The liner system must include:

- i) A top liner designed and constructed of materials (e.g., a geomembrane) to prevent the migration of hazardous constituents into such liner during the active life and post-closure care period; and

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- ii) A composite bottom liner, consisting of at least two components. The upper component must be designed and constructed of materials (e.g., a geomembrane) to prevent the migration of hazardous constituents into this component during the active life and post-closure care period. The lower component must be designed and constructed of materials to minimize the migration of hazardous constituents if a breach in the upper component were to occur. The lower component must be constructed of at least 3 feet (91 cm) of compacted soil material with a hydraulic conductivity of no more than 1×10^{-7} cm/sec.

- B) The liners must comply with subsections (a)(1), (2) and (3) above.

- 2) The leachate collection and removal system between the liners, and immediately above the bottom composite liner in the case of multiple leachate collection and removal systems, is also a leak detection system (LDS). This LDS must be capable of detecting, collecting and removing leaks of hazardous constituents at the earliest practicable time through all areas of the top liner likely to be exposed to waste or leachate during the active life and post-closure care period. The requirements for a LDS in this subsection are satisfied by installation of a system that is, at a minimum:

- A) Constructed with a bottom slope of one percent or more;
- B) Constructed of granular drainage materials with a hydraulic conductivity of 1×10^{-1} cm/sec or more and a thickness of 12 inches (30.5 cm) or more; or constructed of synthetic or geonet drainage materials with a transmissivity of 3×10^{-6} m²/sec or more;
- C) Constructed of materials that are chemically resistant to the waste managed in the surface impoundment and the leachate expected to be generated, and of sufficient strength and

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thickness to prevent collapse under the pressures exerted by overlying wastes and any waste cover materials or equipment used at the surface impoundment;

- D) Designed and operated to minimize clogging during the active life and post-closure care period; and
- E) Constructed with sumps and liquid removal methods (e.g., pumps) of sufficient size to collect and remove liquids from the sump and prevent liquids from backing up into the drainage layer. Each unit must have its own sump(s). The design of each sump and removal system must provide a method for measuring and recording the volume of liquids present in the sump and of liquids removed.

- 3) The owner or operator shall collect and remove pumpable liquids in the sumps to minimize the head on the bottom liner.

- 4) The owner or operator of a LDS that is not located completely above the seasonal high water table must demonstrate that the operation of the LDS will not be adversely affected by the presence of groundwater.

- d) Subsection (c) above will not apply if the owner or operator demonstrates to the Agency and the Agency finds for such surface impoundment, that alternative design and/or operating practices, together with location characteristics, will:

- 1) Will prevent the migration of any hazardous constituent into the groundwater or surface water at least as effectively as such the liners and leachate collection and removal system specified in subsection (c) above; and
- 2) Will allow detection of leaks of hazardous constituents through the top liner at least as effectively.
- e) The double liner requirement set forth in subsection (c) above may be waived by the Agency for any monofill, if:

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1) The monofill contains only hazardous wastes from foundry furnace emission controls or metal casting molding sand, and such wastes do not contain constituents which would render the wastes hazardous for reasons other than the toxicity characteristic in 35 Ill. Adm. Code 721.124; and

iii) The monofill is in compliance with generally applicable groundwater monitoring requirements for facilities with permits or

2) Design and location.

A) Liner, location and groundwater monitoring.

B) The owner or operator demonstrates to the Board that the monofill is located, designed and operated so as to assure that there will be no migration of any hazardous constituent into groundwater or surface water at any future time.

i) The monofill has at least one liner for which there is no evidence that such liner is leaking. For the purposes of this subsection, the term "liner" means a liner designed, constructed, installed and operated to prevent hazardous waste from passing into the liner at any time during the active life of the facility, or a liner designed, constructed, installed and operated to prevent hazardous waste from migrating beyond the liner to adjacent subsurface soil, groundwater or surface water at any time during the active life of the facility. In the case of any surface impoundment which has been exempted from the requirements of subsection (c) above on the basis of a liner designed, constructed, installed and operated to prevent hazardous waste from passing beyond the liner, at the closure of such impoundment, the owner or operator must remove or decontaminate all waste residues, all contaminated liner material and contaminated soil to the extent practicable. If all contaminated soil is not removed or decontaminated, the owner or operator of such impoundment will comply with appropriate post-closure requirements, including but not limited to groundwater monitoring and corrective action;

ii) The monofill is located more than one-quarter mile from an underground source of drinking water (as that term is defined in 35 Ill. Adm. Code 702.110 and

f)

The owner or operator of any replacement surface impoundment unit is exempt from subsection (c) above if:

1) The existing unit was constructed in compliance with the design standards of 35 Ill. Adm. Code 724.321(c), (d) and (e), as amended in R86-1, at 10 Ill. Reg. 14119, effective August 12, 1986; and

BOARD NOTE: The cited subsections implemented the design standards of sections 3004 (o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act (42 U.S.C. 6901 et seq.).

2) There is no reason to believe that the liner is not functioning as designed.

g)

A surface impoundment must be designed, constructed, maintained and operated to prevent overtopping resulting from normal or abnormal operations; overfilling; wind and wave action; rainfall; run-on; malfunctions of level controllers, alarms and other equipment; and human error.

h)

A surface impoundment must have dikes that are designed, constructed and maintained with sufficient structural integrity to prevent massive failure of the dikes. In ensuring structural integrity, it must not be presumed that the liner system will function without leakage during the active life of the unit.

i)

The Agency will specify in the permit all design and operating practices that are necessary to ensure that the requirements of this Section are satisfied.

(Source: Amended at 17 Ill. Reg. 5806, effective

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Section 724.322

~~Double-lined Surface Impoundments; Exemption from Subpart F; Ground-water Protection Requirements (Repealed)~~ Action Leakage Rate

a) The Agency shall approve an action leakage rate for surface impoundment units subject to Section 724.321(c) or (d). The action leakage rate is the maximum design flow rate that the LDS can remove without the fluid head on the bottom liner exceeding 1 foot. The action leakage rate must include an adequate safety margin to allow for uncertainties in the design (e.g., slope, hydraulic conductivity, thickness of drainage material), construction, operation and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions (e.g., the action leakage rate must consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.).

b) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly or monthly flow rate from the monitoring data obtained under Section 724.326(d) to an average daily flow rate (gallons per acre per day) for each sump. The average daily flow rate for each sump must be calculated weekly during the active life and closure period and, if the unit is closed in accordance with Section 724.328(b), monthly during the post-closure care period, unless the Agency approves a different frequency pursuant to Section 724.326(d).

(Source: Former Section repealed at 10 Ill. Reg. 14119, effective August 12, 1986; new Section added at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.323

Response Actions

a) The owner or operator of surface impoundment units subject to Section 724.321(c) or (d) shall have an approved response action plan before receipt of waste. The response action plan must set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan must describe the actions specified in subsection (b) below.

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b)

If the flow rate into the LDS exceeds the action leakage rate for any sump, the owner or operator shall:

- 1) Notify the Agency in writing of the exceedence within 7 days of the determination;
- 2) Submit a preliminary written assessment to the Agency within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size and cause of any leaks, and short-term actions taken and planned;
- 3) Determine to the extent practicable the location, size and cause of any leak;
- 4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs or controls, and whether or not the unit should be closed;
- 5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and
- 6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Agency the results of the determinations specified in subsections (b)(3), (4) and (5) above, the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the LDS exceeds the action leakage rate, the owner or operator shall submit to the Agency a report summarizing the results of any remedial actions taken and actions planned.

c) To make the leak or remediation determinations in subsections (b)(3), (4) and (5) above, the owner or operator shall either:

- 1) Perform the following assessments:

- A) Assess the source of liquids and amounts of liquids by source;
- B) Conduct a fingerprint, hazardous constituent or other analyses of the liquids in the LDS to identify the source of liquids and the possible location of any leaks, and the hazard and mobility of the liquid; and

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- c) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or

- 2) Document why such assessments are not needed.

(Source: Added at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.326 Monitoring and Inspection

- a) During construction and installation, liners (except in the case of existing portions of surface impoundments exempt from Section 724.321(a)) and cover systems (e.g., membranes, sheets, or coatings) must be inspected for uniformity, damage and imperfections (e.g., holes, cracks, thin spots or foreign materials). Immediately after construction or installation:

- 1) Synthetic liners and covers must be inspected to ensure tight seams and joints and the absence of tears, punctures and blisters; and
- 2) Soil-based and admixed liners and covers must be inspected for imperfections including lenses, cracks, channels, root holes or other structural non-uniformities that may cause an increase in the permeability of that liner or cover.

- b) While a surface impoundment is in operation, it must be inspected weekly and after storms to detect evidence of any of the following:

- 1) Deterioration, malfunctions or improper operation of overtopping control systems;
- 2) Sudden drops in the level of the impoundment's contents; and,
- 3) Severe erosion or other signs of deterioration in dikes or other containment devices.

- c) Prior to the issuance of a permit, and after any extended period of time (more than six months) during which the impoundment was not in service, the owner or operator must shall obtain a certification from a qualified engineer that the impoundment's dike, including that portion of any dike which provides freeboard, has structural integrity. The certification

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must establish, in particular, that the dike:

- 1) Will withstand the stress of the pressure exerted by the types and amounts of wastes to be placed in the impoundment; and
- 2) Will not fail due to scouring or piping, without dependence on any liner system included in the surface impoundment construction.

d) Monitoring of LDS.

- 1) An owner or operator required to have a LDS under Section 724.321(c) or (d) shall record the amount of liquids removed from each LDS sump at least once each week during the active life and closure period.

- 2) After the final cover is installed, the amount of liquids removed from each LDS sump must be recorded at least monthly. If the liquid level in the sump stays below the pump operating level for two consecutive months, the amount of liquids in the sumps must be recorded at least quarterly. If the liquid level in the sump stays below the pump operating level for two consecutive quarters, the amount of liquids in the sumps must be recorded at least semi-annually. If at any time during the post-closure care period the pump operating level is exceeded at units on quarterly or semi-annual recording schedules, the owner or operator shall return to monthly recording of amounts of liquids removed from each sump until the liquid level again stays below the pump operating level for two consecutive months.

- 3) "Pump operating level" is a liquid level proposed by the owner or operator pursuant to 35 Ill. Adm. Code 703.203(b)(5) and approved by the Agency based on pump activation level, sump dimensions and level that avoids backup into the drainage layer and minimizes head in the sump.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.328 Closure and Post-closure Care

- a) At closure, the owner or operator must shall:

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- 1) Remove or decontaminate all waste residues, contaminated containment system components (liners, etc.), contaminated subsoils and structures and equipment contaminated with waste and leachate, and manage them as hazardous waste unless 35 Ill. Adm. Code 721.103(d) applies; or
- 2) Closure in place.
 - A) Eliminate free liquids by removing liquid wastes or solidifying the remaining wastes and waste residues;
 - B) Stabilize stabilize remaining wastes to a bearing capacity sufficient to support final cover; and
 - C) Cover the surface impoundment with a final cover designed and constructed to:
 - i) Provide long-term minimization of the migration of liquids through the closed impoundment;
 - ii) Function with minimum maintenance;
 - iii) Promote drainage and minimize erosion or abrasion of the final cover;
 - iv) Accommodate settling and subsidence so that the cover's integrity is maintained; and
 - v) Have a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present.
- b) If some waste residues or contaminated materials are left in place at final closure, the owner or operator ~~must~~ shall comply with all post-closure requirements contained in Sections 724.217 through 724.220, including maintenance and monitoring throughout the post-closure care period (specified in the permit under Section 724.217). The owner or operator ~~must~~ shall:
 - 1) Maintain the integrity and effectiveness of the final cover, including making repairs to the cap as necessary to correct the effects of settling, subsidence, erosion or other events.

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- 2) Maintain and monitor the LDS in accordance with Sections 724.321(c)(2)(D) and (c)(3) and 724.326(d), and comply with all other applicable LDS requirements of this Part:
- 2 3) Maintain and monitor the ~~ground-water~~ groundwater monitoring system and comply with all other applicable requirements of Subpart F; and
- 3 4) Prevent run-on and run-off from eroding or otherwise damaging the final cover.
- c) Contingent plans.
 - 1) If an owner or operator plans to close a surface impoundment in accordance with subsection (a)(1) above, and the impoundment does not comply with the liner requirements of Section 724.321(a) and is not exempt from them in accordance with Section 724.321(b), then:
 - A) The closure plan for the impoundment under Section 724.212 must include both a plan for complying with subsection (a)(1) above and a contingent plan for complying with subsection (a)(2) above in case not all contaminated subsoils can be practicably removed at closure; and
 - B) The owner or operator ~~must~~ shall prepare a contingent post-closure plan under Section 724.218 for complying with subsection (b) above in case not all contaminated subsoils can be practicably removed at closure.
 - 2) The cost estimates calculated under Sections 724.242 and 724.244 for closure and post-closure care of an impoundment subject to this subsection must include the cost of complying with the contingent closure plan and the contingent post-closure plan, but are not required to include the cost of expected closure under subsection (a)(1) above.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

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Section 724.351 Design and Operating Requirements

- a) A waste pile (except for an existing portion of a waste pile) must have:

1) A liner that is designed, constructed and installed to prevent any migration of wastes out of the pile into the adjacent subsurface soil or groundwater or surface water at any time during the active life (including the closure period) of the waste pile. The liner may be constructed of materials that may allow waste to migrate into the liner itself (but not into the adjacent subsurface soil or ~~ground-water~~ groundwater or surface water) during the active life of the facility. The liner must be:

A) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrogeologic forces), physical contact with the waste or leachate to which they are exposed, climatic conditions, the stress of installation and the stress of daily operation;

B) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression or uplift; and

C) Installed to cover all surrounding earth likely to be in contact with the waste or leachate; and

2) A leachate collection and removal system immediately above the liner that is designed, constructed, maintained and operated to collect and remove leachate from the pile. The Agency will specify design and operating conditions in the permit to ensure that the leachate depth over the liner does not exceed 30 cm (one foot). The leachate collection and removal system must be:

A) Constructed of materials that are:

i) Chemically resistant resistant to the

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waste managed in the pile and the leachate expected to be generated; and

ii) Of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying wastes, waste cover materials and by any equipment used at the pile; and

B) Designed and operated to function without clogging through the scheduled closure of the waste pile.

b) The owner or operator will be exempted from the requirements of paragraph subsection (a) above if the Board finds, based on a demonstration by the owner or operator, in a variance and/or site-specific rulemaking, grants an adjusted standard pursuant to 35 Ill. Adm. Code 106. Subpart G. The level of justification is a demonstration by the owner or operator that alternate design and/or operating practices, together with location characteristics, will prevent the migration of any hazardous constituents (see Section 724.193) into the groundwater or surface water at any future time. In deciding whether to grant an exemption adjusted standard, the Board will consider:

- 1) The nature and quantity of the wastes;
- 2) The proposed alternate design and operation;
- 3) The hydrogeologic setting of the facility, including attenuative capacity and thickness of the liners and soils present between the pile and groundwater or surface water; and
- 4) All other factors which would influence the quality and mobility of the leachate produced and the potential for it to migrate to groundwater or surface water.

c) The owner or operator of each new waste pile unit on which construction commences after January 29, 1992, each lateral expansion of a waste pile unit on which construction commences after July 29, 1992, and each replacement of an existing waste pile unit that is to commence reuse after July 29, 1992, shall install two or more liners and a leachate collection and removal system above and between such liners. "Construction

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"commences" is as defined in Section 720.110 under "existing facility".

1) Liners.

A) The liner system must include:

- 1) A top liner designed and constructed of materials (e.g., a geomembrane) to prevent the migration of hazardous constituents into such liner during the active life and post-closure care period; and

- ii) A composite bottom liner, consisting of at least two components. The upper component must be designed and constructed of materials (e.g., a geomembrane) to prevent the migration of hazardous constituents into this component during the active life and post-closure care period. The lower component must be designed and constructed of materials to minimize the migration of hazardous constituents if a breach in the upper component were to occur. The lower component must be constructed of at least 3 feet (91 cm) of compacted soil material with a hydraulic conductivity of no more than 1×10^{-7} cm/sec.

B) The liners must comply with subsections (a)(1)(A), (B) and (C) above.

- 2) The leachate collection and removal system immediately above the top liner must be designed, constructed, operated and maintained to collect and remove leachate from the waste pile during the active life and post-closure care period. The Agency will specify design and operating conditions in the permit to ensure that the leachate depth over the liner does not exceed 30 cm (one foot). The leachate collection and removal system must comply with subsections (C)(3)(C) and (D) below.

- 3) The leachate collection and removal system between

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composite liner in the case of multiple leachate collection and removal systems, is also a leak detection system (LDS). This LDS must be capable of detecting, collecting and removing leaks of hazardous constituents at the earliest practicable time through all areas of the top liner likely to be exposed to waste or leachate during the active life and post-closure care period. The requirements for a LDS in this subsection are satisfied by installation of a system that is, at a minimum:

- A) Constructed with a bottom slope of one percent or more;

- B) Constructed of granular drainage materials with a hydraulic conductivity of 1×10^{-2} cm/sec or more and a thickness of 12 inches (30.5 cm) or more; or constructed of synthetic or geonet drainage materials with a transmissivity of 3×10^{-3} m²/sec or more;

- C) Constructed of materials that are chemically resistant to the waste managed in the waste pile and the leachate expected to be generated, and of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying wastes, waste cover materials and equipment used at the waste pile;

- D) Designed and operated to minimize clogging during the active life and post-closure care period; and

- E) Constructed with sumps and liquid removal methods (e.g., pumps) of sufficient size to collect and remove liquids from the sump and prevent liquids from backing up into the drainage layer. Each unit must have its own sump(s). The design of each sump and removal system must provide a method for measuring and recording the volume of liquids present in the sump and of liquids removed.

- 4) The owner or operator shall collect and remove pumpable liquids in the LDS sumps to minimize the head on the bottom liner.

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- 5) The owner or operator of a LDS that is not located completely above the seasonal high water table shall demonstrate that the operation of the LDS will not be adversely affected by the presence of ground water.

d) The Agency shall approve alternative design or operating practices to those specified in subsection (c) above if the owner or operator demonstration to the Agency, by way of permit or permit modification application, that such design or operating practices, together with location characteristics:

- 1) Will prevent the migration of any hazardous constituent into the ground water or surface water at least as effectively as the liners and leachate collection and removal systems specified in subsection (c) above; and

- 2) Will allow detection of leaks of hazardous constituents through the top liner at least as effectively.

e) Subsection (c) above does not apply to monofills that are granted a waiver by the Agency in accordance with Section 724.321(e).

f) The owner or operator of any replacement waste pile unit is exempt from subsection (c) above if:

- 1) The existing unit was constructed in compliance with the design standards of section 3004(o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act (42 USC 6901 et seq.); and

BOARD NOTE: The cited provisions required the installation of two or more liners and a leachate collection system above (in the case of a landfill) and between such liners, including a top liner designed, operated and constructed of materials to prevent the migration of any constituent into such liner during the period the facility remained in operation (including any post-closure monitoring period), and a lower liner to prevent the migration of any constituent through the liner during such period. The lower liner was deemed to satisfy the

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requirement if it was constructed of at least a 3-foot thick layer of recompacted clay or other natural material with a permeability of no more than 1×10^{-7} cm/sec.

- 2) There is no reason to believe that the liner is not functioning as designed.

e) g) The owner or operator ~~must~~ shall design, construct, operate and maintain a run-on control system capable of preventing flow onto the active portion of the pile during peak discharge from at least a 25-year storm.

a) h) The owner or operator ~~must~~ shall design, construct, operate and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

e) i) Collection and holding facilities (e.g. tanks or basins) associated with run-on and run-off control systems must be emptied or otherwise managed expeditiously after storms to maintain design capacity of the system.

f) j) If the pile contains any particulate matter which may be subject to wind dispersal, the owner or operator ~~must~~ shall cover or otherwise manage the pile to control wind dispersal.

g) k) The Agency ~~will~~ shall specify in the permit all design and operating practices that are necessary to ensure that the requirements of this section are satisfied.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.352

~~Double-lined piles; Exemption from Subpart F; Ground-water Protection Requirements~~
(Repealed) Action Leakage Rate

a) The Agency shall approve an action leakage rate for surface impoundment units subject to Section 724.351(c) or (d). The action leakage rate is the maximum design flow rate that the LDS can remove without the fluid head on the bottom liner exceeding 1 foot. The action leakage rate must include an adequate safety margin to allow for uncertainties in the design (e.g., slope,

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hydraulic conductivity, thickness of drainage material), construction, operation and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions (e.g., the action leakage rate must consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.).

- b) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the weekly or monthly flow rate from the monitoring data obtained under Section 724.354(c) to an average daily flow rate (gallons per acre per day) for each sump. The average daily flow rate for each sump must be calculated weekly during the active life and closure period.

(Source: Former Section repealed at 10 Ill. Reg. 14119, effective August 12, 1986; new Section adopted at 17 Ill. Reg. 5806, effective March 26, 1993.)

Section 724.353

~~Inspection of Liners: Exemption from Subpart F: Ground-water Protection Requirements (Repeated)~~ Response Action Plan

- a) The owner or operator of waste pile units subject to Section 724.351(c) or (d) shall have an approved response action plan before receipt of waste. The response action plan must set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan must describe the actions specified in subsection (b) below.
- b) If the flow rate into the LDS exceeds the action leakage rate for any sump, the owner or operator shall:
- 1) Notify the Agency in writing of the exceedance within 7 days of the determination;
 - 2) Submit a preliminary written assessment to the Agency within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size and cause of any leaks, and short-term actions taken and planned;
 - 3) Determine to the extent practicable the location, size and cause of any leak;

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- 4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs or controls, and whether or not the unit should be closed;
- 5) Determine any other short-term and long-term actions to be taken to mitigate or stop any leaks; and
- 6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Agency the results of the determinations specified in subsections (b)(3), (4) and (5) above, the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the LDS exceeds the action leakage rate, the owner or operator shall submit to the Agency a report summarizing the results of any remedial actions taken and actions planned.

- c) To make the leak or remediation determinations in subsections (b)(3), (4) and (5) above, the owner or operator shall either:

- 1) Perform the following assessments:

- A) Assess the source of liquids and amounts of liquids by source;
 - B) Conduct a fingerprint, hazardous constituent or other analyses of the liquids in the LDS to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and
 - C) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or
- 2) Document why such assessments are not needed.

(Source: Former Section repealed at 10 Ill. Reg. 14119, effective August 12, 1986; new Section added at 17 Ill. Reg. 5806, effective March 26, 1993.)

Section 724.354 Monitoring and Inspection

- a) During construction or installation, liners (except in

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the case of existing portions of piles exempt from Section 724.351(a)) and cover systems (e.g., membranes, sheets or coatings) must be inspected for uniformity, damage and imperfections (e.g., holes, cracks, thin spots or foreign materials). Immediately after construction or installation:

- 1) Synthetic liners and covers must be inspected to ensure tight seams and joints and the absence of tears, punctures and blisters; and
- 2) Soil-based and admixed liners and covers must be inspected for imperfections including lenses, cracks, channels, root holes or other structural non-uniformities that may cause an increase in the permeability of the liner or cover.
- b) While a waste pile is in operation, it must be inspected weekly and after storms to detect evidence of any of the following:
 - 1) Deterioration, malfunctions or improper operation of run-on and run-off control systems;
 - 2) Proper functioning of wind dispersal control systems, where present; or
 - 3) The presence of leachate in and proper functioning of leachate collection and removal systems, where present.

- c) An owner or operator required to have a LDS under Section 724.351(c) shall record the amount of liquids removed from each LDS sump at least once each week during the active life and closure period.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

SUBPART N: LANDFILLS

Section 724.401 Design and Operating Requirements

- a) Any landfill that is not covered by subsection (c) below or 35 Ill. Adm. Code 725.401(a) must have a liner system for all portions of the landfill (except for existing portions of such landfill). The liner system must have:

- 1) A liner that is designed, constructed and installed to prevent any migration of wastes out of the landfill to the adjacent subsurface soil or groundwater or surface water at any time during the active life (including the closure period) of the landfill. The liner must be constructed of materials that prevent wastes from passing into the liner during the active life of the facility. The liner must be:
 - A) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrogeologic forces), physical contact with the waste or leachate to which they are exposed, climatic conditions, the stress of installation and the stress of daily operation;
 - B) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression or uplift; and
 - C) Installed to cover all surrounding earth likely to be in contact with the waste or leachate; and
- 2) A leachate collection and removal system immediately above the liner that is designed, constructed, maintained and operated to collect and remove leachate from the landfill. The Agency ~~will~~ shall specify design and operating conditions in the permit to ensure that the leachate depth over the liner does not exceed 30 cm (one foot). The leachate collection and removal system must be:
 - A) Constructed of materials that are:
 - i) Chemically resistant to the waste managed in the landfill and the leachate expected to be generated; and
 - ii) Of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying wastes, waste cover

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materials and by any equipment used at the landfill; and

- B) Designed and operated to function without clogging through the scheduled closure of the landfill.

b) The owner or operator will be exempted from the requirements of subsection (a) above if the Board finds, based on a demonstration by the owner or operator, in a variance and/or site-specific rulemaking, grants an adjusted standard pursuant to 35 Ill. Adm. Code 106. Subpart G. The level of justification is a demonstration by the owner or operator that alternative design and/or operating practices, together with location characteristics, will prevent the migration of any hazardous constituents (see Section 724.193) into the groundwater or surface water at any future time. In deciding whether to grant an exemption adjusted standard, the Board will consider:

- 1) The nature and quantity of the wastes;
- 2) The proposed alternate design and operation;
- 3) The hydrogeologic setting of the facility, including the attenuative capacity and thickness of the liners and soils present between the landfill and groundwater or surface water; and
- 4) All other factors which would influence the quality and mobility of the leachate produced and the potential for it to migrate to groundwater or surface water.

c) The owner or operator of each new landfill, each new landfill unit at an existing facility, each replacement of an existing landfill unit and each lateral expansion of an existing landfill unit, must install two or more liners and a leachate collection system above and between the liners. The liners and leachate collection systems must protect human health and the environment. This subsection applies with respect to all waste received after issuance of the permit for units where Part B of the permit application is received by the Agency or USEPA after November 8, 1984. The requirement for the installation of two or more liners in this subsection may be satisfied by the installation of a

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top liner designed, operated and constructed of materials to prevent the migration of any constituent into such liner during the period such facility remains in operation (including any post-closure monitoring period), and a lower liner designed, operated and constructed to prevent the migration of any constituent through such liner during such period. For the purpose of the preceding sentence, a lower liner shall be deemed to satisfy such requirement if it is constructed of at least a 3-foot thick layer of recompacted clay or other natural material with a permeability of no more than 1 x 10⁻⁷ centimeter per second, unit on which construction commences after January 29, 1992, each lateral expansion of a landfill unit on which construction commences after July 29, 1992, and each replacement of an existing landfill unit that is to commence reuse after July 29, 1992, shall install two or more liners and a leachate collection and removal system above and between such liners. "Construction commences" is as defined in 35 Ill. Adm. Code 720.110 under "existing facility".

1) Liner requirements.

- A) The liner system must include:

i) A top liner designed and constructed of materials (e.g., a geomembrane) to prevent the migration of hazardous constituents into such liner during the active life and post-closure care period; and

ii) A composite bottom liner, consisting of at least two components. The upper component must be designed and constructed of materials (e.g., a geomembrane) to prevent the migration of hazardous constituents into this component during the active life and post-closure care period. The lower component must be designed and constructed of materials to minimize the migration of hazardous constituents if a breach in the upper component were to occur. The lower component must be constructed of at least 3 feet (91 cm) of compacted soil material with a hydraulic conductivity of no more than 1

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$X 10^{-7}$ cm/sec.

- B) The liners must comply with subsections (a)(1)(A), (B) and (C) above.
- 2) The leachate collection and removal system immediately above the top liner must be designed, constructed, operated and maintained to collect and remove leachate from the landfill during the active life and post-closure care period. The Agency will specify design and operating conditions in the permit to ensure that the leachate depth over the liner does not exceed 30 cm (one foot). The leachate collection and removal system must comply with subsections (c)(3)(C) and (D) below.
- 3) The leachate collection and removal system between the liners, and immediately above the bottom composite liner in the case of multiple leachate collection and removal systems, is also a leak detection system (LDS). This LDS must be capable of detecting, collecting, and removing leaks of hazardous constituents at the earliest practicable time through all areas of the top liner likely to be exposed to waste or leachate during the active life and post-closure care period. The requirements for a LDS in this subsection are satisfied by installation of a system that is, at a minimum:
- A) Constructed with a bottom slope of one percent or more;
- B) Constructed of granular drainage materials with a hydraulic conductivity of 1×10^{-2} cm/sec or more and a thickness of 12 inches (30.5 cm) or more; or constructed of synthetic or geonet drainage materials with a transmissivity of 3×10^{-3} m²/sec or more;
- C) Constructed of materials that are chemically resistant to the waste managed in the landfill and the leachate expected to be generated, and of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying wastes, waste cover materials and equipment used at the landfill;

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- D) Designed and operated to minimize clogging during the active life and post-closure care period; and
- E) Constructed with sumps and liquid removal methods (e.g., pumps) of sufficient size to collect and remove liquids from the sump and prevent liquids from backing up into the drainage layer. Each unit must have its own sump(s). The design of each sump and removal system must provide a method for measuring and recording the volume of liquids present in the sump and of liquids removed.
- 4) The owner or operator shall collect and remove pumpable liquids in the LDS sumps to minimize the head on the bottom liner.
- 5) The owner or operator of a LDS that is not located completely above the seasonal high water table shall demonstrate that the operation of the LDS will not be adversely affected by the presence of ground water.
- d) Subsection (c) above will not apply if the owner or operator demonstrates to the Agency, and the Agency finds for such landfill, that alternative design and/or operating practices, together with location characteristics, will:
- 1) Will prevent the migration of any hazardous constituent into the groundwater or surface water at least as effectively as such the liners and leachate collection and removal systems, specified in subsection (c) above; and
- 2) Will allow detection of leaks of hazardous constituents through the top liner at least as effectively.
- e) The double liner requirement Agency shall not require a double liner as set forth in subsection (c) above be waived by the Agency for any monofill, if:
- 1) The monofill contains only hazardous wastes from foundry furnace emission controls or metal casting molding sand, and such wastes do not contain constituents which would render the wastes hazardous for reasons other than the toxicity

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characteristics in 35 Ill. Adm. Code 721.124, with USEPA hazardous waste numbers D004 through D017; and

2) No migration demonstration.

A) Design and location requirements.

- i) The monofill has at least one liner for which there is no evidence that such liner is leaking.
- ii) The monofill is located more than one-quarter mile from an underground source of drinking water (as that term is defined in 35 Ill. Adm. Code 702.110.
- iii) The monofill is in compliance with generally applicable groundwater monitoring requirements for facilities with RCRA permits; or

- B) The owner or operator demonstrates to the Board that the monofill is located, designed and operated so as to assure that there will be no migration of any hazardous constituent into groundwater or surface water at any future time.

f) The owner or operator of any replacement landfill unit is exempt from subsection (c) above if:

- 1) The existing unit was constructed in compliance with the design standards of 35 Ill. Adm. Code 724.401(c), (d) and (e), as amended in R86-1, at 10 Ill. Reg. 14119, effective August 12, 1986; and

BOARD NOTE: The cited subsections implemented the design standards of sections 3004(o)(1)(A)(i) and (o)(5) of the Resource Conservation and Recovery Act (42 U.S.C. 6901 et seq.).

- 2) There is no reason to believe that the liner is not functioning as designed.

- f) The owner or operator must shall design, construct, operate and maintain a run-on control system capable of preventing flow onto the active portion of the landfill.

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during peak discharge from at least a 25-year storm.

- g) The owner or operator must shall design, construct, operate and maintain a run-off management system to collect and control at least the water volume resulting from a 24 hour, 25-year storm.

- h) Collection and holding facilities (e.g., tanks or basins) associated with run-on and run-off control systems must be emptied or otherwise managed expeditiously after storms to maintain design capacity of the system.

- i) If the landfill contains any particulate matter which may be subject to wind dispersal, the owner or operator must shall cover or otherwise manage the landfill to control wind dispersal.

- j) The Agency will shall specify in the permit all design and operating practices that are necessary to ensure that the requirements of this Section are satisfied.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.402

~~Double-lined landfills: Exemption from Subpart F: Ground-water Protection Requirements (Repeated)~~ Action Leakage Rate

- a) The Agency shall approve an action leakage rate for landfill units subject to Section 724.401(c) or (d). The action leakage rate is the maximum design flow rate that the LDS can remove without the fluid head on the bottom liner exceeding 1 foot. The action leakage rate must include an adequate safety margin to allow for uncertainties in the design (e.g., slope, hydraulic conductivity, thickness of drainage material), construction, operation and location of the LDS, waste and leachate characteristics, likelihood and amounts of other sources of liquids in the LDS, and proposed response actions (e.g., the action leakage rate must consider decreases in the flow capacity of the system over time resulting from siltation and clogging, rib layover and creep of synthetic components of the system, overburden pressures, etc.).

- b) To determine if the action leakage rate has been exceeded, the owner or operator shall convert the

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obtained under Section 724.403(c) to an average daily flow rate (gallons per acre per day) for each sump. The average daily flow rate for each sump must be calculated weekly during the active life and closure period, and monthly during the post-closure care period, unless the Agency approves a different frequency pursuant to Section 724.403(c)(2).

(Source: Former Section repealed at 10 Ill. Reg. 14119, effective August 12, 1986; new Section adopted at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.403 Monitoring and Inspection

a) During construction or installation, liners (except in the case of existing portions of landfills exempt from Section 724.401(a)) and cover systems (e.g., membranes, sheets or coatings) must be inspected for uniformity, damage and imperfections (e.g., holes, cracks, thin spots or foreign materials). Immediately after construction or installation:

- 1) Synthetic liners and covers must be inspected to ensure tight seams and joints and the absence of tears, punctures or blisters; and
- 2) Soil-based and admixed liners and covers must be inspected for imperfections including lenses, cracks, channels, root holes or other structural non-uniformities that may cause an increase in the permeability of the liner or cover.

b) While a landfill is in operation, it must be inspected weekly and after storms to detect evidence of any of the following:

- 1) Deterioration, malfunctions or improper operation of run-on and run-off control systems;
- 2) Proper functioning of wind dispersal control systems, where present; and
- 3) The presence of leachate in and proper functioning of leachate collection and removal systems, where present.

c) Monitoring of LDS.

- 1) An owner or operator required to have a LDS under

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Section 724.401(c) or (d) shall record the amount of liquids removed from each LDS sump at least once each week during the active life and closure period.

- 2) After the final cover is installed, the amount of liquids removed from each LDS sump must be recorded at least monthly. If the liquid level in the sump stays below the pump operating level for two consecutive months, the amount of liquids in the sumps must be recorded at least quarterly. If the liquid level in the sump stays below the pump operating level for two consecutive quarters, the amount of liquids in the sumps must be recorded at least semi-annually. If at any time during the post-closure care period the pump operating level is exceeded at units on quarterly or semi-annual recording schedules, the owner or operator shall return to monthly recording of amounts of liquids removed from each sump until the liquid level again stays below the pump operating level for two consecutive months.

- 3) "Pump operating level" is a liquid level proposed by the owner or operator pursuant to 35 Ill. Adm. Code 703.207(b)(1)(E) and approved by the Agency based on pump activation level, sump dimensions and level that avoids backup into the drainage layer and minimizes head in the sump.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.404 Response Actions

- a) The owner or operator of landfill units subject to Section 724.401(c) or (d) shall have an approved response action plan before receipt of waste. The response action plan must set forth the actions to be taken if the action leakage rate has been exceeded. At a minimum, the response action plan must describe the actions specified in subsection (b) below.

- b) If the flow rate into the LDS exceeds the action leakage rate for any sump, the owner or operator shall:

- 1) Notify the Agency in writing of the exceedance within 7 days of the determination;

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- 2) Submit a preliminary written assessment to the Agency within 14 days of the determination, as to the amount of liquids, likely sources of liquids, possible location, size and cause of any leaks, and short-term actions taken and planned;
 - 3) Determine to the extent practicable the location, size and cause of any leak;
 - 4) Determine whether waste receipt should cease or be curtailed, whether any waste should be removed from the unit for inspection, repairs or controls, and whether or not the unit should be closed;
 - 5) Determine any other short-term and longer-term actions to be taken to mitigate or stop any leaks; and
 - 6) Within 30 days after the notification that the action leakage rate has been exceeded, submit to the Agency the results of the determinations specified in subsections (b)(3), (4) and (5) above, the results of actions taken, and actions planned. Monthly thereafter, as long as the flow rate in the LDS exceeds the action leakage rate, the owner or operator shall submit to the Agency a report summarizing the results of any remedial actions taken and actions planned.
- c) To make the leak or remediation determinations in subsections (b)(3), (4) and (5) above, the owner or operator shall either:

- 1) Perform the following assessments:
 - A) Assess the source of liquids and amounts of liquids by source;
 - B) Conduct a fingerprint, hazardous constituent or other analyses of the liquids in the LDS to identify the source of liquids and possible location of any leaks, and the hazard and mobility of the liquid; and
 - C) Assess the seriousness of any leaks in terms of potential for escaping into the environment; or
- 2) Document why such assessments are not needed.

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(Source: Added at 17 Ill. Reg. 5806, effective March 26, 1993)

Section 724.410 Closure and Post-closure Care

- a) At final closure of the landfill or upon closure of any cell, the owner or operator ~~must~~ shall cover the landfill or cell with a final cover designed and constructed to:
 - 1) Provide long-term minimization of migration of liquids through the closed landfill;
 - 2) Function with minimum maintenance;
 - 3) Promote drainage and minimize erosion or abrasion of the cover;
 - 4) Accommodate settling and subsidence so that the cover's integrity is maintained; and
 - 5) Have a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present.
- b) After final closure, the owner or operator ~~must~~ shall comply with all post-closure requirements contained in Sections 724.217 through 724.220, including maintenance and monitoring throughout the post-closure care period (specified in the permit under section 724.217). The owner or operator ~~must~~ shall:
 - 1) Maintain the integrity and effectiveness of the final cover, including making repairs to the cap as necessary to correct the effects of settling, subsidence, erosion or other events;
 - 2) Continue to operate the leachate collection and removal system until leachate is no longer detected;
 - 3) Maintain and monitor the LDS in accordance with Sections 724.401(c)(3)(D) and (c)(4) and 724.403(c), and comply with all other applicable LDS requirements of this Part;
 - 4) Maintain and monitor the ground-water groundwater monitoring system and comply with all other applicable requirements of Subpart F;

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- 4 5) Prevent run-on and run-off from eroding or otherwise damaging the final cover; and
- 5 6) Protect and maintain surveyed benchmarks used in complying with Section 724.409.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993.)

SUBPART W: DRIP PADS

Section 724.673 Design and operating requirements

a) Drip pads must:

- 1) Not be constructed of earthen materials, wood or asphalt, unless the asphalt is structurally supported;
- 2) Be sloped to free-drain to the associated collection system treated wood drippage, rain, other waters, or solutions of drippage and water or other wastes;
- 3) Have a curb or berm around the perimeter;
- 4) Be impermeable, e.g., concrete pads must be sealed, coated or covered with an impermeable material such that the entire surface where drippage occurs or may run across is capable of containing such drippage and mixtures of drippage and precipitation, materials or other wastes while being routed to an associated collection system; and

BOARD NOTE: The requirement that new drip pads be impermeable, e.g., that new drip pads be sealed, coated or covered with an impermeable material, is administratively stayed. The stay will remain in effect until further administrative action is taken. The requirement that existing drip pads be impermeable, e.g., that drip pads be sealed, coated or covered with an impermeable material, is administratively stayed. The stays will remain in effect until the Board removes this note by further regulatory action implementing USEPA amendments at 57 Fed. Reg. 61492, December 24, 1992, expected

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in Docket R93-4. The extended State stay will not be construed as excusing owners or operators from complying with any federal requirements already in effect in Illinois.

- 5) Be of sufficient structural strength and thickness to prevent failure due to physical contact, climatic conditions, the stress of installation and the stress of daily operations, e.g., variable and moving loads such as vehicle traffic, movement of wood, etc.

BOARD NOTE: In judging the structural integrity requirement of this subsection, the Agency should generally consider applicable standards established by professional organizations generally recognized by the industry, including ACI 318 or ASTM C94, incorporated by reference in 35 Ill. Adm. Code 720.111.

- b) A new drip pad or an existing drip pad, after the deadline established in Section 724.671(b), must have:

- 1) A synthetic liner installed below the drip pad that is designed, constructed and installed to prevent leakage from the drip pad into the adjacent subsurface soil or groundwater or surface water at any time during the active life (including the closure period) of the drip pad. The liner must be constructed of materials that will prevent waste from being absorbed into the liner and to prevent releases into the adjacent subsurface soil or groundwater or surface water during the active life of the facility. The liner must be:

- A) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrogeologic forces), physical contact with the waste or drip pad leakage to which they are exposed, climatic conditions, the stress of installation and the stress of daily operation (including stresses from vehicular traffic on the drip pad);

- B) Placed upon a foundation or base capable of

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providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression or uplift; and

- C) Installed to cover all surrounding earth that could come in contact with the waste or leakage; and

- 2) A leakage detection system immediately above the liner that is designed, constructed, maintained and operated to detect leakage from the drip pad. The leakage detection system must be:

A) Constructed of materials that are:

- i) Chemically resistant to the waste managed in the drip pad and the leakage that might be generated; and
 - ii) Of sufficient strength and thickness to prevent collapse under the pressures exerted by overlaying materials and by any equipment used at the drip pad; and
- B) Designed and operated to function without clogging through the scheduled closure of the drip pad; and
- C) Designed so that it will detect the failure of the drip pad or the presence of a release of hazardous waste or accumulated liquid at the earliest practicable time.

- c) Drip pads must be maintained such that they remain free of cracks, gaps, corrosion or other deterioration that could cause hazardous waste to be released from the drip pad.

BOARD NOTE: See subsection (m) below for remedial action required if deterioration or leakage is detected.

- d) The drip pad and associated collection system must be designed and operated to convey, drain and collect liquid resulting from drippage or precipitation in order to prevent run-off.

- e) Unless the drip pad is protected by a structure, as

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described in Section 724.670(b), the owner or operator shall design, construct, operate and maintain a run-on control system capable of preventing flow onto the drip pad during peak discharge from at least a 24-hour, 25-year storm, unless the system has sufficient excess capacity to contain any run-on that might enter the system.

- f) Unless the drip pad is protected by a structure or cover, as described in Section 724.670(b), the owner or operator shall design, construct, operate and maintain a run-off management system to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

- g) The drip pad must be evaluated to determine that it meets the requirements of subsections (a) through (f). The owner or operator shall obtain a statement from an independent, qualified, registered professional engineer certifying that the drip pad design meets the requirements of this Section.

- h) Drillage and accumulated precipitation must be removed from the associated collection system as necessary to prevent overflow onto the drip pad.

- i) The drip pad surface must be cleaned thoroughly at least once every seven days such that accumulated residues of hazardous waste or other materials are removed, using an appropriate and effective cleaning technique, including but not limited to, rinsing, washing with detergents or other appropriate solvents, or steam cleaning. The owner or operator shall document, in the facility's operating log, the date and time of each cleaning and the cleaning procedure used.

- j) Drip pads must be operated and maintained in a manner to minimize tracking of hazardous waste or hazardous waste constituents off the drip pad as a result of activities by personnel or equipment.

- k) After being removed from the treatment vessel, treated wood from pressure and non-pressure processes must be held on the drip pad until drippage has ceased. The owner or operator shall maintain records sufficient to document that all treated wood is held on the pad, in accordance with this Section, following treatment.

- l) Collection and holding units associated with run-on and

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run-off control systems must be emptied or otherwise managed as soon as possible after storms to maintain design capacity of the system.

- m) Throughout the active life of the drip pad and as specified in the permit, if the owner or operator detects a condition that could lead to or has caused a release of hazardous waste, the condition must be repaired within a reasonably prompt period of time following discovery, in accordance with the following procedures:

- 1) Upon detection of a condition that may have caused or has caused a release of hazardous waste (e.g., upon detection of leakage in the leak detection system), the owner or operator shall:

- A) Enter a record of the discovery in the facility operating log;
- B) Immediately remove from service the portion of the drip pad affected by the condition;
- C) Determine what steps must be taken to repair the drip pad, clean up any leakage from below the drip pad, and establish a schedule for accomplishing the clean up and repairs;
- D) Within 24 hours after discovery of the condition, notify the Agency of the condition and, within 10 working days, provide written notice to the Agency with a description of the steps that will be taken to repair the drip pad and clean up any leakage, and the schedule for accomplishing this work.

- 2) The Agency shall: review the information submitted; make a determination regarding whether the pad must be removed from service completely or partially until repairs and clean up are complete; and notify the owner or operator of the determination and the underlying rationale in writing.

- 3) Upon completing all repairs and clean up, the owner or operator shall notify the Agency in writing and provide a certification, signed by an independent, qualified, registered professional engineer, that the repairs and clean up have been

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completed according to the written plan submitted in accordance with subsection (m)(1)(D) above.

- n) If a permit is necessary, the Agency shall specify in the permit all design and operating practices that are necessary to ensure that the requirements of this Section are satisfied.
- o) The owner or operator shall maintain, as part of the facility operating log, documentation of past operating and waste handling practices. This must include identification of preservative formulations used in the past, a description of drip-patch management practices and a description of treated wood storage and handling practices.

(Source: Amended at 17 Ill. Reg. 5806, effective March 26, 1993)

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- 1) Heading of the Part: STANDARDS FOR THE MANAGEMENT OF SPECIFIC HAZARDOUS WASTE AND SPECIFIC TYPES OF HAZARDOUS WASTE MANAGEMENT FACILITIES
- 2) Code Citation: 35 Ill. Adm. Code 726
- 3) Section Numbers:
726.200
Adopted Action:
Amendment
- 4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 111 $\frac{1}{2}$, pars. 1022.4 and 1027 [415 ILCS 5/22.4 and 27].
- 5) Effective Date of Amendments: March 26, 1993
- 6) Does this rulemaking contain an automatic repeal date?: No.
- 7) Does this amendment contain incorporations by reference? No.
- 8) Date Filed in Agency's Principal Office: Opinion and order adopted on January 21, 1993, supplemented on March 11, 1993
- 9) Notice(s) of Proposal Published in Illinois Register:
November 6, 1992; 16 Ill. Reg. 17028
- 10) Has JCAR issued a Statement of Objections to this (these) Rule(s)?
Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the Illinois Administrative Procedure Act [5 ILCS 100/1-1 et seq.] (APA) provide that this matter shall not be subject to first notice or to second notice review by JCAR.
- 11) Difference(s) between proposal and final version: None.
- 12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?
Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that this matter shall not be subject to first notice or to second notice review by JCAR.
- 13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.
- 14) Are there any amendments pending on this Part? No.

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15) Summary and Purpose of Rule(s):

The Board adopted an Opinion and Order in this matter, R92-10, on January 21, 1993, supplemented March 11, 1993. A copy of the Opinion and supplement are available from the address below.

Section 22.4(a) of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1022.4(a) [415 ILCS 5/22.4(a)]) requires the Board to adopt regulations which are "identical in substance" to regulations adopted by USEPA to implement Sections 3001 through 3005 of the Resource Conservation and Recovery Act. The USEPA regulations, which deal with hazardous waste, are found at 40 CFR 260 through 270. The equivalent Board regulations are in 35 Ill. Adm. Code 702, 703, 705 and 720 through 728.

The term "identical in substance" is defined in Section 7.2 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1007.2 [415 ILCS 5/7.2]). Section 22.4(a) of the Environmental Protection Act and Section 1-5(c)(1) of the APA provide that Section 5-35 of the APA does not apply. Because this rulemaking is not subject to Section 5-35 of the APA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates the Board's hazardous waste regulations to correspond with USEPA amendments appearing in the Federal Register during the period January 1 through June 30, 1992. The amendment removes a stay of the boiler and industrial furnace ("BIF") rules with respect to certain coke ovens. This correlates with changes to the definition of "hazardous waste" in Section 721.104(a)(10).

16) Information and questions regarding this adopted amendment shall be directed to:

Morton F. Dorothy
Illinois Pollution Control Board
104 W. University
Urbana, IL 61801

217/ 333-5575

The full text of the adopted amendments begins on the following page:

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TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: HAZARDOUS WASTE OPERATING REQUIREMENTS

PART 726

STANDARDS FOR THE MANAGEMENT OF SPECIFIC HAZARDOUS WASTE
AND SPECIFIC TYPES OF HAZARDOUS WASTE MANAGEMENT FACILITIESSUBPART C: RECYCLABLE MATERIALS USED IN A MANNER
CONSTITUTING DISPOSAL

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726.121	Standards applicable to storers, who are not the ultimate users, of materials that are to be used in a manner that constitutes disposal
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726.142	Standards applicable to marketers of used oil burned for energy recovery
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SUBPART H: HAZARDOUS WASTE BURNED IN BOILERS
AND INDUSTRIAL FURNACES

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AUTHORITY: Implementing Section 22.4 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1991, ch. 111½, pars. 1022.4 and 1027) [415 ILCS 5/22.4 and 27].

SOURCE: Adopted in R85-22 at 10 Ill. Reg. 1162, effective January 2, 1986; amended in R86-1 at 10 Ill. Reg. 14156, effective August 12, 1986; amended in R87-26 at 12 Ill. Reg. 2900, effective January 15, 1988; amended in R89-1 at 13 Ill. Reg. 18606, effective November 13, 1989; amended in R90-2 at 14 Ill. Reg. 14533, effective August 22, 1990; amended in R90-11 at 15 Ill. Reg. 9727, effective June 17, 1991; amended in R91-13 at 16 Ill. Reg. 9858, effective June 9, 1992; amended in R92-10 at 17 Ill. Reg. 5865, effective March 26, 1993.

**SUBPART H: HAZARDOUS WASTE BURNED IN BOILERS
AND INDUSTRIAL FURNACES**

Section 726.200 Applicability

- a) The regulations of this Subpart apply to hazardous waste burned or processed in a boiler or industrial furnace (BIF) (as defined in 35 Ill. Adm. Code 720.110) irrespective of the purpose of burning or processing, except as provided by subsections (b), (c), (d) and (f), below. In this Subpart, the term "burn" means burning for energy recovery or destruction, or processing for materials recovery or as an ingredient. The emissions standards of Sections 726.204, 726.205, 726.206 and 726.207 apply to facilities operating under interim status or under a RCRA permit as specified in Sections 726.202 and 726.203.

BOARD NOTE: ~~This provision does not apply to coke ovens processing coke by-products wastes exhibiting the toxicity characteristic identified in 35 Ill. Adm. Code 721.124 pending completion of a rulemaking proposed by USEPA on July 26, 1991 (56 Fed. Reg. 35787). When that rulemaking is complete, this note will be removed.~~

- b) The following hazardous wastes and facilities are not subject to regulation under this Subpart:

- 1) Used oil burned for energy recovery that is also a hazardous waste solely because it exhibits a characteristic of hazardous waste identified in 35 Ill. Adm. Code 721. Subpart C. Such used oil is subject to regulation under Subpart E rather than this Subpart.

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- 2) Gas recovered from hazardous or solid waste landfills when such gas is burned for energy recovery;
- 3) Hazardous wastes that are exempt from regulation under 35 Ill. Adm. Code 721.104 and 721.106(a)(3)(E) through (H), and hazardous wastes that are subject to the special requirements for conditionally exempt small quantity generators under 35 Ill. Adm. Code 721.105; and
- 4) Coke ovens, if the only hazardous waste burned is USEPA Hazardous Waste No. K087, decanter tank tar sludge from coking operations.

- c) Owners and operators of smelting, melting and refining furnaces (including pyrometallurgical devices such as cupolas, sintering machines, roasters and foundry furnaces, but not including cement kilns, aggregate kilns or halogen acid furnaces burning hazardous waste) that process hazardous waste solely for metal recovery are conditionally exempt from regulation under this Subpart, except for Sections 726.201 and 726.212.

- 1) To be exempt from Sections 726.202 through 726.211, an owner or operator of a metal recovery furnace shall comply with the following requirements, except that an owner or operator of a lead or a nickel-chromium recovery furnace, or a metal recovery furnace that burns baghouse bags used to capture metallic dust emitted by steel manufacturing, shall comply with the requirements of subsection (c)(3), below:

- A) Provide a one-time written notice to the Agency indicating the following:
 - i) The owner or operator claims exemption under this subsection;
 - ii) The hazardous waste is burned solely for metal recovery consistent with the provisions of subsection (c)(2), below;
 - iii) The hazardous waste contains recoverable levels of metals; and
 - iv) The owner or operator will comply with the sampling and analysis and

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recordkeeping requirements of this subsection;

- B) Sample and analyze the hazardous waste and other feedstocks as necessary to comply with the requirements of this subsection under procedures specified by Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111 or alternative methods that meet or exceed the SW-846 method performance capabilities. If SW-846 does not prescribe a method for a particular determination, the owner or operator shall use the best available method; and
- C) Maintain at the facility for at least three years records to document compliance with the provisions of this subsection including limits on levels of toxic organic constituents and Btu value of the waste, and levels of recoverable metals in the hazardous waste compared to normal nonhazardous waste feedstocks.
- 2) A hazardous waste meeting either of the following criteria is not processed solely for metal recovery:
- A) The hazardous waste has a total concentration of organic compounds listed in 35 Ill. Adm. Code 721.Appendix H, exceeding 500 ppm by weight, as fired, and so is considered to be burned for destruction. The concentration of organic compounds in a waste as-generated may be reduced to the 500 ppm limit by bona fide treatment that removes or destroys organic constituents. Blending for dilution to meet the 500 ppm limit is prohibited and documentation that the waste has not been impermissibly diluted must be retained in the records required by subsection (c)(1)(C), above; or
- B) The hazardous waste has a heating value of 5,000 Btu/lb or more, as-fired, and is so considered to be burned as fuel. The heating value of a waste as-generated may be reduced to below the 5,000 Btu/lb limit by bona fide

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treatment that removes or destroys organic constituents. Blending for dilution to meet the 5,000 Btu/lb limit is prohibited and documentation that the waste has not been impermissibly diluted must be retained in the records required by subsection (c)(1)(C), above.

- 3) To be exempt from Sections 726.202 through 726.211, an owner or operator of a lead or nickel-chromium recovery furnace, or a metal recovery furnace that burns a baghouse bags used to capture metallic dusts emitted by steel manufacturing must provide a one-time written notice to the Agency identifying each hazardous waste burned and specifying whether the owner or operator claims an exemption for each waste under this subsection or subsection (c)(1), above. The owner or operator shall comply with the requirements of subsection (c)(1), above, for those wastes claimed to be exempt under that subsection and shall comply with the requirements below for those wastes claimed to be exempt under this subsection.
- A) The hazardous wastes listed in Appendices K and L and baghouse bags used to capture metallic dusts emitted by steel manufacturing are exempt from the requirements of subsection (c)(1), above, provided that:
- i) A waste listed in Appendix K must contain recoverable levels of lead. A waste listed in Appendix L must contain recoverable levels of nickel or chromium and baghouse bags used to capture metallic dusts emitted by steel manufacturing must contain recoverable levels of metal; and
- ii) The waste does not exhibit the Toxicity Characteristic of 35 Ill. Adm. Code 721.124 for an organic constituent; and
- iii) The waste is not a hazardous waste listed in 35 Ill. Adm. Code 721.Subpart D because it is listed for an organic constituent as identified in 35 Ill. Adm. Code 721.Appendix G; and

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- iv) The owner or operator certifies in the one-time notice that hazardous waste is burned under the provisions of subsection (c)(3), above, and that sampling and analysis will be conducted or other information will be obtained as necessary to ensure continued compliance with these requirements. Sampling and analysis must be conducted according to subsection (c)(1)(B), above, and records to document compliance with subsection (c)(3), above, must be kept for at least three years.

- B) The Agency may decide on a case-by-case basis that the toxic organic constituents in a material listed in Appendix K or L that contains a total concentration of more than 500 ppm toxic organic compounds listed in 35 Ill. Adm. Code 721. Appendix H may pose a hazard to human health and the environment when burned in a metal recovery furnace exempt from the requirements of this Subpart. In that situation, after adequate notice and opportunity for comment, the metal recovery furnace will become subject to the requirements of this Subpart when burning that material. In making the hazard determination, the Agency shall consider the following factors:

- i) The concentration and toxicity of organic constituents in the material; and
- ii) The level of destruction of toxic organic constituents provided by the furnace; and
- iii) Whether the acceptable ambient levels established in Appendices D or E will be exceeded for any toxic organic compound that may be emitted based on dispersion modeling to predict the maximum annual average off-site ground level concentration.

- d) The standards for direct transfer operations under

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- permit standards of Section 726.202 or the interim status standards of Section 726.203.
- e) The management standards for residues under Section 726.212 apply to any BIF burning hazardous waste.
- f) Owners and operators of smelting, melting and refining furnaces (including pyrometallurgical devices such as cupolas, sintering machines, roasters and foundry furnaces) that process hazardous waste for recovery of economically significant amounts of the precious metals gold, silver, platinum, palladium, iridium, osmium, rhodium or ruthenium, or any combination of these, are conditionally exempt from regulation under this Subpart except for Section 726.212. To be exempt from Sections 726.202 through 726.211 an owner or operator shall:

- 1) Provide a one-time written notice to the Agency indicating the following:
 - A) The owner or operator claims exemption under this § Section;
 - B) The hazardous waste is burned for legitimate recovery of precious metal; and
 - C) The owner or operator will comply with the sampling and analysis and recordkeeping requirements of this § Section.
- 2) Sample and analyze the hazardous waste as necessary to document that the waste is burned for recovery of economically significant amounts of precious metal using procedures specified by Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, incorporated by reference in 35 Ill. Adm. Code 720.111 or alternative methods that meet or exceed the SW-846 method performance capabilities. If SW-846 does not prescribe a method for a particular determination, the owner or operator shall use the best available method; and
- 3) Maintain at the facility for at least three years records to document that all hazardous wastes burned are burned for recovery of economically significant amounts of precious metal.

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definitions and abbreviations are used in this Subpart:

- "APCS" means air pollution control system.
- "BIF" means boiler or industrial furnace.
- "Carcinogenic metals" means arsenic, beryllium, cadmium and chromium.
- "CO" means carbon monoxide.
- "Continuous monitor" is a monitor which continuously samples the regulated parameter without interruption, and evaluates the detector response at least once each 15 seconds, and computes and records the average value at least every 60 seconds.
- "DRE" means destruction or removal efficiency.
- "cu m" means cubic meters.
- "E" means "ten to the". For example, "XE-Y" means "X times ten to the -Y power".
- "Feed rates" are measured as specified in Section 726.202(e)(6).
- "Good engineering practice stack height" is as defined by 40 CFR 51.100(ii), incorporated by reference in 35 Ill. Adm. Code 720.111.
- "HC" means hydrocarbon.
- "~~He~~ HCl" means hydrogen chloride gas.
- "Hourly rolling average" means the arithmetic mean of the 60 most recent 1-minute average values recorded by the continuous monitoring system.
- "K" means Kelvin.
- "kVA" means kilovolt amperes.
- "MEI" means maximum exposed individual.
- "MEI location" means the point with the maximum annual average off-site (unless on-site is required) ground level concentration.

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- "Noncarcinogenic metals" means antimony, barium, lead, mercury, thallium and silver.
- "One hour block average" means the arithmetic mean of the one minute averages recorded during the 60-minute period beginning at one minute after the beginning of preceding clock hour
- "PIC" means product of incomplete combustion.
- "PM" means particulate matter.
- "POHC" means principal organic hazardous constituent.
- "ppmv" means parts per million by volume.
- "QA/QC" means quality assurance and quality control.
- "Rolling average for the selected averaging period" means the arithmetic mean of one hour block averages for the averaging period.
- "RAC" means reference air concentration, the acceptable ambient level for the noncarcinogenic metals for purposes of this Subpart. RACs are specified in Appendix D.
- "RSD" means risk-specific dose, the acceptable ambient level for the carcinogenic metals for purposes of this Subpart. RSDs are specified in Appendix E.
- "SSU" means "Saybolt Seconds Universal", a unit of viscosity measured by ASTM D88 or D2161, incorporated by reference in 35 Ill. Adm. Code 720.111.
- "TCLP test" means the toxicity characteristic leaching procedure of 35 Ill. Adm. Code 721.124.
- "TESH" means terrain-adjusted effective stack height (in meters).
- "Tier I". See Section 726.206(b).
- "Tier II". See Section 726.206(c).

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"Tier III". See Section 726.206(d).

"Toxicity equivalence" is estimated, pursuant to Section 726.204(e), using "Procedures for Estimating the Toxicity Equivalence of Chlorinated Dibenzop-Dioxin and Dibenzofuran Congeners" in Appendix I ("eye").

"ug" means microgram.

(Source: Amended at 17 Ill. Reg. 5865, effective March 26, 1993.)

DEPARTMENT OF PUBLIC HEALTH/HEALTH FACILITIES PLANNING BOARD

NOTICE OF ADOPTED REPEALER

1) The Heading of the Part:

Financial and Economic Feasibility Review and Evaluation Plan

2) Code Citation:

77 Ill. Adm. Code 1230

3) Section Numbers:

1230.10
1230.20
1230.30
1230.110
1230.120
1230.210
1230.220
1230.230
1230.240
1230.250
1230.260
1230.310
1230.320
1230.410
1230.420
1230. Table A
1230. Table B

Adopted Action:

Repealer
Repealer
Repealer
Repealer
Repealer
Repealer
Repealer
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Repealer
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Repealer
Repealer
Repealer
Repealer
Repealer
Repealer

4) Statutory Authority:

The Illinois Health Facilities Planning Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1151 et seq.)

5) Effective Date of Repealer: March 31, 19936) Does this Rulemaking Contain an Automatic Repeal Date? No7) Does this Rulemaking Contain any Incorporation by Reference? No8) Date Filed in Agency's Principal Office: March 31, 19939) Date Notice of Proposed Repealer was Published in the Illinois Register:

16 Ill. Reg. 5187 - April 3, 1992

DEPARTMENT OF PUBLIC HEALTH/HEALTH FACILITIES PLANNING BOARD

NOTICE OF ADOPTED REPEALER

- 10) Has the Joint Committee on Administrative Rules Issued a Statement of Objection to this Rulemaking:

No

If Yes, Date Agency Response Submitted for Approval to JCAR:

Date Statement of Objection was Published in the Illinois Register:

- 11) Difference Between Proposal and Final Version:

None

- 12) Have all the changes agreed upon by the Agency and the Joint Committee been made as indicated in the agreement letter issued by the Joint Committee?

No changes were requested by the Joint Committee on Administrative Rules.

- 13) Will the Repealer Replace an Emergency Rule Currently in Effect? No

- 14) Are there any other Amendments Pending on this Part? No

- 15) Summary and Purpose of Repealer:

This repealed Part has been replaced by new rules governing financial and economic feasibility review for all provider types at 77 Ill. Adm. Code 1120.

- 16) Information and Questions Regarding this Adopted Repealer Shall be Directed to:

Ms. Gail M. DeVito, Division of Governmental Affairs, Illinois Department of Public Health, 535 West Jefferson, Fifth Floor, Springfield, Illinois 62761 (217)782-6187.

DEPARTMENT OF PUBLIC HEALTH/HEALTH FACILITIES PLANNING BOARD

NOTICE OF ADOPTED REPEALER

- 1) The Heading of the Part:

Financial and Economic Feasibility Review and Evaluation Plan (For All Long-Term Care and Chronic Disease Facilities)

- 2) Code Citation:

77 Ill. Adm. Code 1240

- 3) Section Numbers:

1240.10
1240.20
1240.30
1240.40
1240.50
1240.60
1240.70
1240 Appendix A

Adopted Action:

Repealer
Repealer
Repealer
Repealer
Repealer
Repealer
Repealer

- 4) Statutory Authority:

The Illinois Health Facilities Planning Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1151 et seq.)

- 5) Effective Date of Repealer: March 31, 1993

- 6) Does this Rulemaking Contain an Automatic Repeal Date? No

- 7) Does this Rulemaking Contain any Incorporation by Reference? No

- 8) Date Filed in Agency's Principal Office: March 31, 1993

- 9) Date Notice of Proposed Repealer was Published in the Illinois Register:

16 Ill. Reg. 5225 - April 3, 1992

- 10) Has the Joint Committee on Administrative Rules Issued a Statement of Objection to this Rulemaking:

No

If Yes, Date Agency Response Submitted for Approval to JCAR:

DEPARTMENT OF PUBLIC HEALTH/HEALTH FACILITIES PLANNING BOARD

NOTICE OF ADOPTED REPEALER

11) Date Statement of Objection was Published in the Illinois Register:

12) Difference Between Proposal and Final Version:

None

13) Have all the changes agreed upon by the Agency and the Joint Committee been made as indicated in the agreement letter issued by the Joint Committee?

No changes were requested by the Joint Committee on Administrative Rules.

14) Will the Repealer Replace an Emergency Rule Currently in Effect? No

15) Are there any other Amendments Pending on this Part? No

16) Summary and Purpose of Repealer:

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DEPARTMENT OF PUBLIC HEALTH/HEALTH FACILITIES PLANNING BOARD

NOTICE OF ADOPTED AMENDMENTS

1) The Heading of the Part:

Health Facilities Planning Procedural Rules

2) Code Citation:

77 Ill. Adm. Code 1130

3) Section Numbers:

1130.140

1130.220

1130.410

1130.510

1130.620

1130.630

1130.640

1130.710

1130.720

1130.730

1130.740

1130.760

1130.770

1130.780

1130.Appendix A

Adopted Action:

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

Amendment

4) Statutory Authority:

The Illinois Health Facilities Planning Act (Ill. Rev. Stat. 1991, ch. 111 1/2, par. 1151 et seq.)

5) Effective Date of Rules: March 26, 1993

6) Does this Rulemaking Contain an Automatic Repeal Date? No

7) Does this Rulemaking Contain any Incorporations by Reference? No

8) Date Filed in Agency's Principal Office: March 26, 1993

9) Date Notice of Proposed Rules was Published in the Illinois Register:

16 Ill. Reg. 4755 - March 27, 1992

10) Has the Joint Committee on Administrative Rules Issued a Statement of Objection to this

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Yes

If Yes, Date Agency Response Submitted for Approval to ICAR:

February 24, 1993

Date Statement of Objection was Published in the Illinois Register:

January 29, 1993 (17 Ill. Reg. 1242)

11) Difference Between Proposal and Final Version:

The main Source note for this Part has been revised to include "emergency expired January 1, 1993"

Section 1130.140(m)(5) and (u)(3) have been revised to replace references to "subsection (f)" to "subsection (g) above".

Section 1130.620(c)(3) has been modified to specify "subsection (c)(1) above".

Section 1130.630(d) has been revised to delete references to 77 Ill. Adm. Code 1230 and 1240 and to add a reference to 77 Ill. Adm. Code 1120.

In Section 1130. Appendix A, "October 1, 1992" has been replace with "Effective date of this 1993 rulemaking".

Various grammatical and technical changes recommended by the Administrative Code Division and the Joint Committee on Administrative Rules have been made.

12) Have all the changes agreed upon by the Agency and the Joint Committee been made as indicated in the agreement letter issued by the Joint Committee?

All changes agreed upon by the Department and the Joint Committee on Administrative Rules have been made.

13) Will the Rule Replace an Emergency Rule Currently in Effect? No14) Are there any other Amendments Pending on this Part? No15) Summary and Purpose of Rules:

This rulemaking adds new definitions including "capital expenditures", "construction or modification", "major medical equipment", and "project commitment date". The rulemaking revises requirements relating to the applicant for exemption and adds a requirement for

DEPARTMENT OF PUBLIC HEALTH/HEALTH FACILITIES PLANNING BOARD

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operational responsibilities to be held by the applicant. The rulemaking exempts from review facilities that voluntarily surrender a suspended license, adds new data requirements for an exemption application and for completeness review, requires a public comment period on proposed projects, and adds a provision for one deferral of initial State Board consideration by the applicant. In addition, the rulemaking revises requirements for obligation of a project, authorizes the Board to grant one three month extension of the obligation period, adds new provisions related to renewal of a permit, modifies progress report requirements to specify semi-annual progress reports with new data requirements, adds new requirements regarding project completion, expands grounds for permit revocation to include lack of due diligence under renewal, and updates Appendix A (Annual Inflation Adjustments to Review Thresholds).

16) Information and Questions Regarding this Adopted rulemaking shall be directed to:

Ms. Gail M. DeVito, Division of Governmental Affairs, Illinois Department of Public Health, 535 West Jefferson, Fifth Floor, Springfield, Illinois 62761 (217)782-6187.

The full text of the Adopted Rules begins on the next page:

DEPARTMENT OF PUBLIC HEALTH/HEALTH FACILITIES
PLANNING BOARD

NOTICE OF ADOPTED AMENDMENT(S)

TITLE 77: PUBLIC HEALTH
CHAPTER 11: DEPARTMENT OF PUBLIC HEALTH/HEALTH FACILITIES
PLANNING BOARD
SUBCHAPTER b: OTHER BOARD RULES

PART 1130

HEALTH FACILITIES PLANNING PROCEDURAL RULES

SUBPART A: AUTHORITY, PURPOSE AND DEFINITIONS

Section
1130.110 Statutory Authority/Applicability
1130.120 Public Hearings
1130.130 Purpose
1130.140 Definitions
1130.150 Incorporated Materials

SUBPART B: WHO IS SUBJECT TO THE HEALTH FACILITIES PLANNING ACT

Section
1130.210 Persons Subject to the Act
1130.220 Necessary Parties to the Application for Permit or Exemption

SUBPART C: TRANSACTIONS SUBJECT TO REVIEW

Section
1130.310 Transactions Subject to Review

SUBPART D: TRANSACTIONS WHICH ARE EXEMPT FROM REVIEW

Section
1130.410 Transactions Which Are Exempt from Review

SUBPART E: PROCEDURAL REQUIREMENTS FOR EXEMPTIONS

Section
1130.510 Requirements for Exemptions Involving the Acquisition of Major Medical Equipment
1130.520 Requirements for Exemptions Involving the Change in Ownership of a Health Care Facility Other Than a Health Maintenance Organization
1130.530 Requirements for Exemptions Involving Health Maintenance Organizations
1130.540 Requirements for Exemptions Involving Involuntary Discontinuation
1130.550 Agency Processing of an Application for Exemption
1130.560 State Board Action
1130.570 Validity of an Exemption

SUBPART F: PROCEDURAL REQUIREMENTS FOR THE REVIEW AND PROCESSING OF

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APPLICATIONS FOR PERMIT

Section
1130.610 Duration of the Review Period and Time Frames
1130.620 Consultation, Classification and Completeness Review
1130.630 Agency Actions During the Review Period
1130.640 Extension of the Review Period Prior to Initial State Board Action
1130.650 Modification of an Application
1130.660 Approval of an Application
1130.670 Notice of Intent-to-Deny an Application
1130.680 Denial of an Application

SUBPART G: PERMIT VALIDITY, REPORTING REQUIREMENTS AND REVOCATION

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1130.710 Validity of Permits
1130.720 Authorization to Obligate and Obligation
1130.730 Extension of the Obligation Period
1130.740 Renewal of a Permit
1130.750 Alteration of a Project for which a Permit Has Been Issued
1130.760 Semi-Annual Progress Reports
1130.770 Project Completion, Final Realized Costs and Cost Overruns
1130.780 Revocation of a Permit

SUBPART H: DECLARATORY RULINGS

Section
1130.810 Declaratory Rulings

APPENDIX A Annual Inflation Adjustments to Review Thresholds

AUTHORITY: Implementing and authorized by the Illinois Health Facilities Planning Act (Ill. Rev. Stat. 1991, ch. 111 1/2, pars. 1151 et seq.).

SOURCE: Adopted at 14 Ill. Reg. 7183, effective May 1, 1990; emergency amendment at 15 Ill. Reg. 4787, effective March 18, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 9731, effective June 17, 1991; emergency amendments at 16 Ill. Reg. 13153, effective August 4, 1992, for a maximum of 150 days; emergency expired January 1, 1993; amended at 17 Ill. Reg. 4448, effective March 24, 1993; amended at 17 Ill. Reg. 5882, effective March 26, 1993.

SUBPART A: AUTHORITY, PURPOSE AND DEFINITIONS

Section 1130.140 Definitions

Definitions pertaining to program components can be found in the "Act" and in 77 Ill. Adm. Code 1100 and 1110. Definitions which will assist in the

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understanding of this Part are presented below.

- a) Acquisition or Change of Ownership means a change in the person who has operational control of an existing health care facility. Acquisition or change of ownership is indicated by:

- 1) a transfer of stock or assets resulting in a person obtaining majority interest (i.e. over 50%) in the licensed or certified (if the facility is not subject to licensure) entity in the existing facility within a one year period; or
- 2) the issuance of a license by the Agency to a person different from the current licensee; or
- 3) the issuance of a provider number to a different person by certification agencies which administer Titles XVIII and XIX of the Social Security Act.

AGENCY NOTE: A permit or exemption is required prior to the acquisition or change of ownership of a health care facility.

- b) Alteration means a revision or change to the components of a project as detailed in the application that occurs after Board approval of the permit. Components which can be altered include size, number of beds, scope of services to be provided, cost or method of financing. The site of the proposed project or the permit holder cannot be altered.

- c) Applicant means a person(s) who applies for a permit or exemption.

- d) Capital expenditure means an expenditure made by or on behalf of a Health Care Facility (as such a facility is defined in this Act); and which under generally accepted accounting principles is not properly chargeable as an expense of operation and maintenance, or is made to obtain by lease or comparable arrangement any facility or part thereof or any equipment for a facility or part; and which exceeds the capital expenditure minimum. The cost of any studies, surveys, designs, plans, working drawings, specifications, and other activities essential to the acquisition, improvement, expansion, or replacement of any plant or equipment with respect to which an expenditure is made shall be included in determining if such expenditure exceeds the capital expenditure minimum. Donations of equipment or facilities to a Health Care Facility which if acquired directly by such facility would be subject to review shall be considered capital expenditures, and a transfer of equipment or facilities for less than fair market value shall be considered a capital expenditure if a transfer of the equipment or facilities at fair market value would be subject to review. (Section 3 of the Act)

- ed) Capital Expenditure Minimum means the dollar amount or value which would require a permit for capital projects and major medical equipment \$1,000,000--for--major medical equipment--and \$2,000,000--for all other capital projects. Capital expenditure minimums are annually adjusted to reflect the increase in construction costs due to inflation per Section 1130.310.

- fe) Certified or Certification means approval for a facility to receive reimbursement under Title XVIII and/or XIX of the Social Security Act (42 U.S.C.A 1395x).

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gf) Completion or Project Completion means:

- 1) for projects with no cost that are limited to total discontinuation of a facility or of a category of service, the date the last patient is discharged or the date when the permit for discontinuation is issued whichever comes later; or
- 2) for projects with no cost that are limited to a substantial change in beds (pursuant to Section 1100.220) in licensed long-term care facilities (pursuant to 77 Ill. Adm. Code 1100.220), the date the Agency issues a revised license; or
- 3) for projects with no cost that are limited to a substantial change in beds (pursuant to 77 Ill. Adm. Code 1100.220) in licensed hospitals or in state-operated facilities, the date the Agency receives a revised physical plant survey or the date of permit issuance which ever is later; or
- 4) for projects limited to the establishment of a category of service, the date the first patient is treated or the date the Agency receives a report of final realized cost, whichever is later; or
- 5) for projects limited to the acquisition of major medical equipment, the date the Agency receives a report of final realized costs or the date the equipment is utilized to treat the first patient, whichever is later; or
- 6) for all other projects including the establishment of new facilities or modernization of existing facilities, the date the Agency receives a report of final realized costs.

- hg) Consolidation means the combination of two or more existing health care facilities into a new health care facility terminating the existence of the existing or original facilities (A + B = C). Consolidation results in the establishment of a health care facility within the meaning of the Act and in the discontinuation of the existing facilities, resulting in termination of license for facilities subject to licensure or the loss of certification for facilities not subject to licensure. In example, consolidation becomes reviewable only when a new facility with a new license will be established due to the consolidation. In this case the A and B facilities which consolidate are reviewed for discontinuation and the new licensed facility C is reviewed for establishment. It is this discontinuation and establishment which creates the need for review.

- i) Construction or modification means the establishment, erection, building, alteration, reconstruction, modernization, improvement, extension, discontinuation, change of ownership of or by a health care facility, or the purchase or acquisition by or through a health care facility of equipment for diagnostic or therapeutic purposes or for facility administration or operation or any capital expenditure made by or on behalf of a health care facility which exceeds the capital expenditure minimum. (Section 3 of the Act)

- jh) Discontinuation means to cease operation of an entire health care facility; to cease operation of a category of service for twelve

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months or more; or to reduce the facility bed total by more than ten beds or ten percent, whichever is less, within a two year period. Daily or seasonal fluctuations in bed complement are not considered discontinuation.

(k) Due Diligence means to take such actions toward the completion of a project for which a permit has been granted with that diligence and foresight which persons of ordinary prudence and care commonly exercise under like circumstances. An accidental or unavoidable cause which cannot be avoided by the exercise of due diligence in the meaning of this rule is a cause which reasonable prudent and careful persons, under like circumstances, do not and would not ordinarily anticipate, and whose effects under similar circumstances they do not and would not ordinarily avoid.

(l) Establish or Establishment means the construction of a health care facility or the replacement of an existing facility on another site, or the consolidation of two or more existing facilities into a new facility, or the development of a category of service.

(m) Existing Health Care Facility means any facility subject to the Act which:

- 1) has a valid license issued by the Agency; or
 - 2) is certified under Titles XVII or XIX of the Social Security Act; or
 - 3) is a facility operated by the State of Illinois; or
 - 4) is a health maintenance organization which has a certificate of authority issued by the Department of Insurance.
- Projects for which permits have been granted but which are not complete pursuant to subsection (f) (g) above shall not be considered existing facilities, but the approved number of beds or services shall be recorded in the Inventory of Health Care Facilities maintained by the Agency and shall be counted against any applicable need estimate.

(n) Final Decision or Final Administrative Decision or Final Determination means:

- 1) the decision by the State Board to approve or deny an application for permit. Action taken by the State Board to deny an application for permit is subsequent to an administrative hearing or to the waiver of such hearing; or
- 2) the decision by the State Board on all matters other than the issuance of a permit.

3) The decision is final at the close of business of the State Board meeting at which the action is taken.

(o) Final Realized Costs are those costs of construction, modernization or equipment that have been incurred to complete a project for which a permit was granted. These costs include all expenditures and the dollar or fair market value of any component of the project whether acquired through lease, donation or gift.

(p) Major Construction Projects means

- 1) Projects for the construction of new buildings;

- 2) Additions to existing buildings; and
- 3) Modernization projects whose cost is in excess of \$1,000,000 or ten percent of the facility's operating revenue, whichever is less. (Section 3 of the Act).

(q) Major medical equipment means medical equipment which is used for the provision of medical and other health services and which costs in excess of the capital expenditure minimum, except that such term does not include medical equipment acquired by or on behalf of a clinical laboratory to provide clinical laboratory services if the clinical laboratory is independent of a physician's office and a hospital and it has been determined under Title XVIII of the Social Security Act (42 U.S.C.A. 1395x) to meet the requirements of paragraphs (10) and (11) of Section 186(5) of such Act. In determining whether medical equipment has a value in excess of the capital expenditure minimum, the value of studies, surveys, designs, plans, working drawings, specifications, and other activities essential to the acquisition of such equipment shall be included. (Ill. Rev. Stat. 1991, ch. 111 1/2, pars. 1153 et seq.)

(r) Merger means the absorption of one or more existing health care facility into another existing health care facility. The result of the absorption is that only one facility survives (A + B = B). Merger results in the modification (e.g. expansion of beds or services) of the survivor facility and the discontinuation of the facility being absorbed.

(s) Modification of an Application or Modification

- 1) Modification of an Application or Modification means any change to a proposed project during the review period (i.e., prior to final State Board action) which results in changing the proposed project's physical size or gross square feet, the site within a planning area, the operating entity when the operating entity is not the applicant, the number of proposed beds, the categories of service to be provided, the cost, the method of financing, or the configuration of space within the building.

2) AGENCY NOTE: A change in the applicant or a change in site to outside the planning area originally identified in the application are not considered modifications and, if either occurs, the application is void.

(t) Notification of State Board Action means the transmittal of State Board decisions to the applicant or permit holder. Notification shall be given to the applicant's or permit holder's designated contact person, legal representative or chief executive officer.

(u) Obligation means receipt by the Executive Secretary of documents verifying one of the following:

- 1) that the project is to be accomplished through the execution of binding enforceable contract(s), including lease agreement(s), to expend an amount exceeding the capital expenditure minimum or 33 percent or more of the permit amount, whichever is less, and demonstrate a financial commitment to fund the project.

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Financial commitment can be shown by a statement from a financial institution or other lender indicating that funding will be provided; or

- 2) that the project is to be done internally or by permit holder and has been authorized by the governing body through the release of funds to expend 33 percent or more of the permit amount or an amount exceeding the capital expenditure minimum, whichever is less; or
- 3) that the project has no cost and has been completed in accordance with subsection (f) (g) above.

AGENCY NOTE: Prior to signing principal contracts or to otherwise obligating the project, the permit holder is required to obtain an authorization to obligate pursuant to Section 1130.720.

v) Project Commitment Date means the date the permit holder executes binding enforceable contracts to expend an amount which exceeds the capital expenditure minimum or at least 33 percent of the permit amount, whichever is less. For projects not undertaken by contract, the project commitment date is the date the permit holder's governing body authorizes or releases funds to expend an amount which exceeds the capital expenditure minimum or at least 33 percent or more of the permit amount, whichever is less. If a project has no cost the project commitment date is the date of project completion.

ws) Proposal or Project means any proposed construction or modification of a health care facility or any proposed acquisition of equipment to be undertaken by an applicant.

xt) Review Period means the time from the date an application for permit is deemed complete until the State Board renders its final decision.

yu) Site means the physical location of a proposed project and is identified by address or legal property description.

z) Substantially changes the bed count of a health care facility means construction or modification, including acquisition of equipment, which changes the bed capacity of a health care facility by increasing or decreasing the total number of beds or by distributing beds among various categories of service or by relocating beds from one physical facility or site to another by more than 10 beds or more than 10% of total bed capacity as defined by the State Board, whichever is less, over a two year period. (Section 5 of the Act) The two year period begins on the date when additional beds added to the facility inventory become operational or when beds were discontinued. When a permit is granted which will result in a change in bed capacity, the applicant facility may not add or discontinue any more beds in those services affected by the permit for two years from the date that such beds become operational or discontinued without obtaining an additional permit from the State Board. The facility may add or discontinue beds (as long as the number added or discontinued does not exceed 10 beds or 10% of the total facility capacity, whichever is less, over the two year period) in the other services not affected by

the permit. Each facility will be contacted annually to verify bed inventory. If there is found, through this verification process, an increase or decrease in the calculated bed capacity of the facility, the State Agency shall determine the date the two year period begins. The date shall be published in the next available compilation of the Inventory of Health Care Facility and Need Determinations by Planning Area.

It should be noted that all proposed capital expenditures (including those which do not substantially change the bed capacity) in excess of the capital expenditure minimum require a permit, regardless of the purpose or nature of the project or transaction. However, it should also be noted that proposals for less than the capital expenditure minimum, including those with no capital expenditure, also require a permit if the project or transaction is for a substantial change in the facility's bed capacity.

aa) Substantially changes the scope or changes the functional operation of the facility means the instituting at a site of an additional or different category of service as defined in "Category of Service." (Section 5 of the Act)

It should be noted that all proposed capital expenditures (including those which do not substantially change the scope) in excess of the capital expenditure minimum require a permit, regardless of the purpose or nature of the project or transaction. However, it should also be noted that proposals from the capital expenditure minimum or less including those with no capital expenditure, also require a permit if the project or transaction is for a substantial change in the facility's scope or functional operation.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

SUBPART B: WHO IS SUBJECT TO THE HEALTH FACILITIES PLANNING ACT

Section 1130.220 Necessary Parties to the Application for Permit or Exemption

a) Applicants for Permit

- 1) If a project to construct or modify an existing health care facility is proposed solely by the person who holds that facility's license or certification, that person must be the applicant.
- 2) If a project to construct or modify an existing health care facility is proposed in whole or in part by a person(s) other than the person who holds the facility's license or certification, that person(s) and the person who holds the facility's license or certification must be co-applicants.
- 3) If a project to establish a health care facility is proposed solely by the person who will be licensed by the Agency or certified (if the facility is not subject to licensure), that

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person must be the applicant.

- 4) If a project to establish a health care facility is proposed in whole or in part by a person(s) other than the person who will hold the license or be certified, that person(s) and the person who will hold the license or be certified must be co-applicants.
- 5) In the case of major medical equipment not located in or not acquired on behalf of a health care facility, the person responsible for providing patient care with the equipment must be the applicant.

b) Applicants for Exemption

- 1) In all cases involving an exemption for the acquisition of major medical equipment, the entity person who will be responsible for operation of own--or--provide--patient--care--with the proposed equipment must be the applicant for exemption. Operational responsibility includes both equipment management and program operation (i.e., patient scheduling, quality control and staff supervision).
- 2) In the case of a change of ownership exemption for an existing facility, the person who will be licensed by the Agency or certified (if the facility is not subject to licensure) must be the applicant for exemption. In the case of a stock transfer, the entity which will obtain a majority interest in the licensed entity must be the applicant.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993.)

SUBPART D: TRANSACTIONS WHICH ARE EXEMPT FROM REVIEW

Section 1130.410 Transactions Which Are Exempt from Review

The following proposed transactions are not subject to review if an exemption is granted by the State Board:

- a) the acquisition of major medical equipment which will not be owned by, operated in behalf of, or located in a health care facility or be used to provide services to an inpatient of a health care facility.
- b) the change of ownership of an existing health care facility.
- c) the establishment or discontinuation of a health maintenance organization provided such establishment or discontinuation does not exceed the capital expenditure minimum.
- d) the discontinuation of an existing health care facility (other than a health maintenance organization) or of a category of service when that discontinuation is the result of
 - 1) revocation of or denial of license renewal by a State or local regulatory agency;
 - 2) for facilities not subject to licensure, the loss of certification; or
 - 3) discontinuation action taken by the State Board; or

- 4) the voluntary surrender of a suspended license.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993.)

SUBPART E: PROCEDURAL REQUIREMENTS FOR EXEMPTIONS

Section 1130.510 Requirements for Exemptions Involving the Acquisition of Major Medical Equipment

- a) Submission of Application for Exemption
Prior to any person acquiring major medical equipment which will not be owned by or located in a health care facility, the person must submit an application for exemption to the State Board, submit the required application processing fee pursuant to 77 Ill. Adm. Code 1190, and receive approval from the State Board.

b) Application for Exemption Information

The application for exemption is subject to approval under Section 1130.560 and shall include the following information:

- 1) The name and address of the applicant person proposing to acquire the equipment (see Section 1130.220(b)) and--the--proposed operating entity;
- 2) Identification of the equipment to be acquired including model number, manufacturer and equipment specifications;
- 3) The address of the premises where the equipment will be installed or used; and
- 4) Copies of any existing or proposed lease or purchase agreements or a proof of ownership regarding the premises where the equipment will be installed;
- 5) A signed certification that the equipment will not be used to provide services to inpatients of any health care facility;
- 6) A signed certification that use of the proposed equipment will not result in the inpatient admission of patients to a health care facility following outpatient treatment except in emergency conditions;
- 7) A description of each component of an existing or proposed quality assurance plan for the proposed equipment addressing the following:
 - A) how regular objective evaluation of all audits and medical care will be performed;
 - B) how patient interviews and complaint evaluation will be performed;
 - C) infection control measures;
 - D) incident reporting;
 - E) allied health professional credentialing;
 - F) evaluation of external surveys affecting quality of care;
 - G) safety committee concerns;
 - H) problem resolution; and

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I) confidentiality concerns.

- c) AGENCY NOTE: a permit is required for the acquisition of major medical equipment which will be owned by, located in, or utilized to serve inpatients of a health care facility. Equipment acquired by exemption cannot be used to treat patients who are directly admitted into an inpatient unit of a health care facility except in the case of a medical emergency which threatens the life of the patient. A physician licensed to practice medicine in all of its branches must verify that such inpatient admission was caused by a medical emergency.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

SUBPART F: PROCEDURAL REQUIREMENTS FOR THE REVIEW AND PROCESSING OF APPLICATIONS FOR PERMIT

Section 1130.620 Consultation, Classification and Completeness Review

- a) Consultation
The application must be completed in accordance with the requirements of this part which are applicable to the individual project. An applicant may request consultation with the Agency regarding completion of the application and the applicability of the requirements of this part.
- b) Classification of an Application
1) An application for permit shall be classified as:
A) Substantive; or
B) Non-Substantive; or
C) Emergency.
- 2) Definitions of each classification are set forth in 77 Ill. Adm. Code 1100.220.
- c) Completeness Review
1) Upon receipt of an application for permit, the Agency shall determine whether the application is complete or incomplete. An application for any project other than one involving the addition of beds shall be deemed complete within ten days of receipt if:
A) all review criteria applicable to the individual project (77 Ill. Adm. Code 1110; and 1120 ~~1230-and/or-1240~~) have been addressed;
B) the required fee (as outlined in 77 Ill. Adm. Code 1190, Permit Application Fees) has been submitted;
C) six copies of the application including one copy of the application containing original signatures have been submitted; and
D) all semi-annual progress reports on previously approved projects have been submitted; ~~and~~
E) all required information concerning completion of reports-on

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~~final-realized-costs-on~~ previously approved ~~and-completed~~ projects ~~have~~ has been submitted; and-
F) the project proposed contains major medical equipment, the cost of the equipment to be acquired.

- 2) An application shall be incomplete if any of the elements described in subsection (c)(1) above are not present or if additional information or documentation is required to clarify a response.
- 3) An application for a project which involves the addition of beds shall be deemed complete on the day of receipt if ~~items~~ subsections (B), (C), (D), and (E) of subsection ~~1130-620(c)(1)~~ ~~above~~ are submitted.
- 4) The Agency shall notify the applicant in writing, within ten working days, of its decision and in the case of an incomplete application, the reasons therefor.
- 5) If the application is deemed complete, the date of completion shall initiate the review period. If the application is deemed incomplete, the applicant shall be allowed ninety days from the date of receipt of the notification to provide all necessary information to complete the application. Upon receipt of all additional information requested, the Agency shall again review the application for completeness and shall notify the applicant of its decision within ten working days. If the Agency finds that the application remains incomplete at the end of the allotted response period, the application shall be declared null and void, and all fees paid forfeited.
- 6) AGENCY NOTE: It is the responsibility of the applicant to assure that the Agency is in receipt of the additional information within the prescribed time frame.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

Section 1130.630 Agency Actions During the Review Period

During the course of the review period the Agency shall:

- a) Transmit a complete copy of the application (or such part thereof as may be necessary) to offices of the Department of Public Health or to any other state agencies that have requested an opportunity to comment on the application;
- b) Notify the applicant of completeness and the start of the review period and forward to the applicant the scheduled date for State Board action;
- c) Offer an opportunity for a public hearing, provide a period for written comments concerning the proposed project, and when requested, conduct a public such hearing in accordance with the provisions of 77 Ill. Adm. Code 1200;
- d) Evaluate the application for compliance with the review criteria

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- applicable to the specific project (as set forth in 77 Ill. Adm. Code 1107 or 1120 4230-~~or-1240~~);
- e) Transmit the Agency's report and findings, the public hearing report and a summary of all written public comment received 20 days prior to the scheduled State Board meeting. A summary of all written public comments submitted subsequent to this date shall be presented at the State Board meeting.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

Section 1130.640 Extension of the Review Period Prior to Initial State Board Action

- a) Supplemental Information
- 1) Information furnished at the request of the Agency shall not constitute supplemental information.
 - 2) Prior to Initial State Board action, the applicant may provide supplemental information or data in support of the project. An applicant may submit supplemental information only once and only prior to Initial State Board action. The Agency shall review the supplemental material within 60 days of receipt and extend the review period if necessary and present its findings to the State Board for action at its next scheduled meeting.
 - 3) Subsequent submissions of additional or other supplemental information will not be considered in the review of the project.
 - 4) Written comments from parties other than the applicant regarding a proposed project shall not constitute supplemental information.
- b) Modification
- The review period may be extended up to 60 days by the Agency if the applicant modifies the application prior to initial review by the State Board.

c) Deferral

The applicant may defer one time the initial consideration of a project by the State Board. A deferral extends from the State Board meeting at which the project has been scheduled to the next scheduled State Board meeting. A request for deferral may be made in writing prior to the scheduled State Board meeting or verbally at the State Board meeting.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

SUBPART G: PERMIT VALIDITY, REPORTING REQUIREMENTS AND REVOCATION

Section 1130.710 Validity of Permits

A permit is effective on the date of State Board authorization.

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- a) A permit shall be valid until such time as the project has been completed, provided that obligation of the project occurs within 12 months following issuance of the permit except for "major construction projects" in which case obligation must occur within 18 months unless the obligation period is extended by the State Board; and the project commences and proceeds to completion with due diligence (as defined in Section 1130.140). Projects under \$25 million must be completed within two years from the project commitment date, projects of \$25 million or more must be completed by the completion date specified in the application or five years from the project commitment date, whichever is earlier. All permits for projects which are not completed in the timeframes specified ~~within two years from the date of obligation~~ shall expire for lack of due diligence, unless renewed by the State Board.
- b) A permit is valid only for the defined construction or modification, equipment, site, amount and person(s) named in the application for such permit and shall not be transferable or assignable. A transfer or assignment of a permit includes a change in the person who is the permit holder; a change in the membership or sponsorship of a not-for-profit corporation which is the permit holder; or the transfer, assignment, or other disposition of ten percent or more of the stock or voting rights thereunder of a for-profit corporation which is the permit holder.
- c) A permit shall not be bought, sold, nor transferred either on its own or as part of a transaction for a change of ownership of a health care facility or for the acquisition of major medical equipment. When a facility with a valid permit is purchased or otherwise acquired, such permit may not be transferred to allow the acquiring entity to complete the project for which the permit was granted. If a change of ownership occurs involving a valid permit which has not been completed the permit shall be considered abandoned by the permit holder.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

Section 1130.720 Authorization to Obligate and Obligation

- a) Projects for construction, establishment or modification must be obligated (pursuant to Section 1130.140) prior to the expiration date of the permit.
- b) Prior to obligation, the permit holder must receive an authorization to obligate the project. Authorization is based on a demonstration by the permit holder of continued compliance with all financial and economic feasibility criteria and that the project has not been altered without State Board approval. It is the responsibility of the permit holder to initiate the authorization to obligate process by written notification to the Agency.
- c) The permit holder shall, prior to signing the principal contract(s) or

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otherwise obligating the project, submit the following:

- 1) project identification information including permit number and name of permit holder;
 - 2) a statement that sources of financing have not changed or, if changed, to what degree and for what reason;
 - 3) a revised breakdown of project cost and of sources and uses of funds;
 - 4) unsigned copies of all contracts or lease agreements involving the project; and
 - 5) a statement which lists the alterations, if any, that are proposed.
- d) Projects which do not exceed ten percent of the originally approved permit amount and which reflect continued compliance with the debt financing limitations, the financial and economic feasibility requirements, and the alteration requirements of the State Board shall be authorized to obligate.
- e) Obligation of a project occurs only upon receipt of all documentation required pursuant to Part 1130.140(u) for project obligation. The date of obligation is
- 1) the date when the permit holder executes binding enforceable contracts to expend 33 percent or more of the permit amount; or
 - 2) if the project is to be done internally, the date the governing body releases funds to expend 33 percent or more of the permit amount; or
 - 3) if the project has no cost, the date of project completion;
 - 4) AGENCY NOTE: it is the responsibility of the permit holder to assure that the Executive Secretary is in receipt of documents verifying obligation within the required time frames.
- f) Permits for projects which have not been obligated prior to the expiration date of the permit shall be considered expired and the project abandoned.
- g) Failure to comply with the authorization to obligate requirements shall be cause for the State Board to initiate proceedings to revoke the permit and/or seek sanctions provided by the Act.

(Source: Amended at 17 Ill. Reg. 5882, effective
March 26, 1993)

Section 1130.730 Extension of the Obligation Period

- a) The State Board may grant the permit holder a single no more than two extensions extension of time to obligate the project. An extension shall not exceed three six months and shall commence on the expiration date of the permit (i.e., 12 or 18 months from the date of State Board authorization pursuant to Section 1130.710). Permits not obligated within approved time frames will expire.
- b) The request for extension shall be in writing and include the following information:

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- 1) the duration of the extension requested;
 - 2) documentation from architect, contractors, suppliers, financial institutions or other necessary parties to obligation of the project indicating unforseeable events or other reasons why a extension is required;
- c) In requesting an a first extension, the permit holder shall describe in writing the events which have delayed the project's timely obligation and provide the following documentation:
- 1) For major construction proposals, evidence that design development drawings have been prepared;
 - 2) For provision of major equipment, evidence that suppliers have been solicited and cost estimates received;
 - 3) For provision of new services, evidence that substantial actions leading to the provision of such services have been accomplished; and
 - 4) A revised schedule indicating how obligation will be accomplished within the extension period requested.
- d) In requesting a second extension, the permit holder must describe the events which prevented obligation and provide the following documentation:
- 1) For major construction proposals, evidence that final construction drawings are partially prepared;
 - 2) For provisions of major equipment, evidence that a supplier has been selected and a basis for final prices established;
 - 3) For provision of new services, evidence that key staff have been selected;
 - 5) Evidence that approval of loans, issuance of bonds or other necessary means of financing have been approved or can be secured where necessary for project funding per the application.
- 5) A revised schedule indicating how obligation will be accomplished within the extension period requested.
- e) A request for extension shall be made in writing and shall be received by the State Agency Board no later than forty-five ten days before the original or extended permit expiration date whichever is applicable. A request for extension which is not submitted in accordance with this time frame above shall not be presented to the State Board for action.
- f) AGENCY NOTE: it is the responsibility of the permit holder to assure that the State Board is in receipt of the request for extension within the prescribed time frames.
- g) The State Board shall evaluate the information submitted in making its determination whether to grant the extension. Projects which continue to comply with the provisions of 77 Ill. Adm. Code 1110 and 77-111-Adm-Code-1238 or 1240 1120 and which have proceeded with due diligence (as defined in Section 1130.140(k)) shall be approved for extension. Seven affirmative votes are required for approval of an extension. Denial by the State Board of an extension request shall constitute the final State Board decision and is not subject to administrative appeal.

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(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

Section 1130.740 Renewal of a Permit

A project must be completed within the timeframes specified in Section 1130.710(a) unless renewed by the State Board no later than two years from the date of obligation.

- a) Renewal of a permit by the State Board for projects not completed is subject to the following:
 - 1) Projects which have not obtained permit renewals and which were obligated prior to May 1, 1990, must obtain permit renewals no later than one year from the effective date of this rule;
 - 2) Projects which have obtained permit renewals or which were obligated after May 1, 1990, must be completed or obtain permit renewals prior to the required project completion date.
- b) Failure to complete a project or to renew a permit within the prescribed timeframes will require a new permit to complete the project.

ca) The State Board may renew a permit if the project has not been completed within the two-year completion period. A permit renewal shall commence on the expiration date of the original or renewed completion period two years from the date of obligation.

db) The request for permit renewal shall be in writing at least 45 days prior to expiration date of the completion period and include the following information:

- 1) the duration of the renewal requested,
- 2) a status report on the project detailing what percent has been completed and a summary of project components yet to be finished, and
- 3) a statement as to the reasons why the project has not been completed.

ec) The State Board will evaluate the information submitted to determine if the project has proceeded with due diligence (as defined in Section 1130.140(f)(k)). Seven affirmative votes are required to approve a renewal. Denial of a permit renewal shall be subject to appeal under the provisions of 77 Ill. Adm. Code 1180 (Practice and Procedure in Administrative Hearings).

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

Section 1130.760 Semi Annual Progress Reports

- a) Each permit holder shall submit to the Agency on or no more than 30 days before six months from permit issuance or from the last progress report the anniversary date of permit issuance, semi annual progress reports until such time as the project is completed. Such reports

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shall include:

- 1) current status of the project, including any changes in the scope of the project; and
 - 2) cost and progress to date which should include itemized expenditures which have occurred and a comparison of those costs to the approved permit amounts; and
 - 3) the schedule of construction stages to completion; and
 - 4) the anticipated date of completion.
- b) Failure to provide the required semi-annual progress reports will result in future applications being considered incomplete until the required reports are received by the Agency.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

Section 1130.770 Project Completion, Final Realized Costs and Cost Overruns

Each permit holder is to notify the State Agency regarding completion of the project.

- a) For projects with no cost, the permit holder must submit a written notice of project completion to the Agency. Such notice is required only when a completion date has not been determined by the Agency pursuant to Section 1130.140(g). Each permit holder must provide a report of final realized cost on forms provided by the Agency unless there was no project cost. The report shall be certified by an independent auditor and by the chief executive officer of the facility. The report shall be filed no later than 60 days after the end of the fiscal year audit after construction or modification has been completed. Failure to file this report will result in subsequent applications for permit filed by the permit holder to be incomplete until such report is filed.

b) For projects which have costs that will be submitted for reimbursement pursuant to Titles XVIII and XIX of the Social Security Act, the permit holder must submit a report of final realized costs containing the following:

- 1) a detailed itemization of all expenditures by project as detailed in 77 Ill. Adm. Code 1120;
- 2) a detailed itemization of source of funds for the project as detailed in 77 Ill. Adm. Code 1120;
- 3) an itemization of those project costs which have been or will be submitted for reimbursement under Title XVIII and XIX;
- 4) a certification that the final realized costs are the total costs or associated costs or capital expenditures related to the project which will be submitted for reimbursement under Title XVIII or XIX;
- 5) verification of the required information signed by two officers of the legal entity that is the permit holder.

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c) For projects which have costs that will not be submitted for reimbursement pursuant to Title XVIII and XIX of the Social Security Act, the permit holder must submit a report of final realized cost containing the following:

- 1) a detailed itemization of expenditures by project cost component as detailed in 77 Ill. Adm. Code 1120;
- 2) a detailed itemization of sources of funds for the project as detailed in 77 Ill Adm Code 1120;
- 3) a certification of the expenditures and sources of funds by an independent auditor;
- 4) verification that the final realized costs are the total costs required to complete the project and that there are no additional or associated capital expenditures related to the project. The verification is to be signed by two officers of the legal entity that is the permit holder.

d) Failure to file final realized costs reports will result in subsequent applications for permit filed by the permit holder to be incomplete until such report is filed.

e) All permits for projects which are not completed in required timeframes shall expire for lack of due diligence, unless renewed by the State Board (reference Section 1130.710 and 1130.740).

f) If the final realized cost exceeds the originally approved permit amount or an altered permit amount (if less than the original amount) amended by more than ten percent, the amount over ten percent shall be considered a cost overrun without permit unless approved as an alteration subsequently approved by the State Board. For projects which have been altered and been approved for a revised permit amount which exceeds the original permit amount, any amount of the final realized cost which exceeds the revised permit amount shall be considered a cost overrun and without permit unless subsequently approved by the State Board.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

Section 1130.780 Revocation of a Permit

a) Revocation proceedings shall be initiated by the State Board for any of the following reasons:

- 1) The project for which the permit was granted has been altered without approval of the State Board;
- 2) the permit holder has failed to comply with the authorization to obligate requirements;
- 3) There has been a change in the amount for which the permit was granted which was not approved by the State Board; or
- 4) There has been information submitted by the permit holder that is false and material to the issuance of the permit or completion of the project; or

5) The project has not been completed with due diligence or in accordance with the provisions of Section 1130.710, or a request for renewal has not been received or has been denied.

b) If at any time the Agency has information that a reason for revocation of a permit exists pursuant to Section 1130.780 subsection (a) above, the Agency shall provide the permit holder written notification of the allegations and of the date, time and place when such allegations will be reviewed by the State Board. The permit holder will be afforded 30 days following receipt of the Agency notification to prepare and submit a written response to the allegations, which will be submitted along with the Agency report to the State Board for review. AGENCY NOTE: It is the responsibility of the permit holder to assure that the Agency is in receipt of the written response within the prescribed time frame.

c) If after reviewing the allegations and the permit holder's response, if any, the State Board finds that a basis for revocation exists pursuant to Section 1130.780 subsection (a) above, it shall issue and transmit to the permit holder a "Notice of an Intent to Revoke" a permit.

d) The permit holder may request an administrative hearing by filing a written request with the Chairman within 30 days of receipt of the "Notice of Intent to Revoke" a permit pursuant to 77 Ill. Adm. Code 1180. The administrative hearing shall be conducted in accordance with 77 Ill. Adm. Code 1180.

e) If at the end of the 30-day period the permit holder has not responded or requested an administrative hearing the State Board shall at its next regularly scheduled meeting act on the matter of the revocation of the permit. If an administrative hearing has been held, the State Board shall act on the matter of the revocation of the permit following the submission of the hearing officer's report.

f) If the State Board orders the revocation of a permit, the Executive Secretary shall transmit the decision to the permit holder by certified mail or shall serve it personally on the permit holder. All inventories shall be amended to indicate the elimination of the proposed project.

g) The decision by the State Board on the revocation of a permit constitutes its final administrative decision and shall be subject to the provisions of the Administrative Review Law. (Ill. Rev. Stat. 1991, ch. 127, par. 1009)

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

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Section 1130.APPENDIX A Annual Inflation Adjustments to Review Thresholds

1. Capital Expenditures (Other than Major Medical Equipment):

Baseline	Inflation Factor	Revised Review Threshold	Effective Date of Revision
\$2,000,000	1.035	\$2,070,000	-
\$2,070,000	1.035 1.035	\$2,121,750	Effective-Date-of-Rule
\$2,121,750	1.035 1.035	\$2,157,820	October 1, 1991
\$2,157,820	1.027	\$2,216,448	Effective date of this 1993 rulemaking

2. Major Medical Equipment:

Baseline	Inflation Factor	Revised Review Threshold	Effective Date of Revision
\$1,000,000	1.028	\$1,028,000	-
\$1,028,000	1.049	\$1,078,372	Effective-Date-of-Rule
\$1,078,372	1.037	\$1,118,272	October 1, 1991
\$1,118,272	1.036	\$1,158,530	Effective date of this 1993 rulemaking

3. Calculation of Inflation Factors:

Inflation factors, for capital equipment projects represent the percentage increase or decrease in the related health care costs from July 1st of the preceding calendar year to July 1st of the year for which the adjustment is to be made. The capital threshold is adjusted utilizing the annualized data from the report year as compared to the preceding year. A growth in costs of five percent during this twelve-month period would result in an inflation factor of 1.05.

4. Source of Data:

The capital expenditure threshold adjustment for all items other than major medical equipment is taken from the Hospitals component of Square Footage, Cubic Feet and Percent of Total Costs (Item 460) from "Building Construction Cost Data 1990, 48th Annual Edition."

*The baseline threshold amounts have been adjusted for inflation for the period of 1988 to 1989. The calculated adjustment shown reflects the 1989 to 1990 time period.

(Source: Amended at 17 Ill. Reg. 5882, effective March 26, 1993)

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- 1) Heading of Part: Illinois Pseudorabies Control Act
- 2) Code Citation: 8 Ill. Adm. Code 115
- 3) Section Number: Emergency Action
115.80 Amended
- 4) Statutory Authority: The Illinois Pseudorabies Control Act (Ill. Rev. Stat. 1991, ch. 8, par. 801 et seq, [510 ILCS 90/1], as amended by P.A. 87-157, effective January 1, 1992).
- 5) Effective Date of Amendments:
March 17, 1993
- 6) If this is emergency amendment is to expire before the end of the 150-day period, please specify the date on which it is to expire: N/A
- 7) Date Filed in Agency's Principal Office: March 16, 1993
- 8) Reason for the Emergency: The Department feels that emergency rulemaking is necessary due to a change in the pseudorabies status of Indiana and Canada. Under the Program Standards for Pseudorabies Eradication, Indiana has been granted split state status as of February 19, 1993. Under current Illinois regulations, we must accept feeder swine from the Stage III counties without yearly testing. It has long been the feeling of the Illinois Pork Producers Association and the Pseudorabies Advisory Committee that Illinois should not recognize split state status.

Due to the volume of movement of feeder pigs between Indiana and Illinois, the Department feels that emergency rulemaking must commence to delete the provision of recognizing split status.

We are also seeking emergency rulemaking to lift the testing requirements for breeding and feeding animals entering Illinois from Canada. The United States Department of Agriculture, on May 20, 1991, recognized Canada as meeting Stage V status (free) for pseudorabies. The way the current rules are written, we only recognize states, not countries, as pseudorabies-free. As there is quite a volume of movement of swine entering Illinois from Canada, it is an unnecessary burden to require Illinois producers to retest these animals.

9) A Complete Description of the Subjects and Issues Involved:

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The emergency rulemaking described in Item #8, will be effective for a maximum of 150 days. The regular rulemaking process will begin as soon as possible.

- 10) Are there any proposed amendments pending to this Part? No
- 11) Statement of Statewide Policy Objectives: Rulemaking does not affect units of local governments.
- 12) Information and questions regarding this adopted amendment shall be directed to:
 Name: Barbara K. McGuire
 Address: Illinois Department of Agriculture
 State Fairgrounds, Springfield,
 Illinois 62794-9281
 Telephone: 217/782-7559

The full text of the emergency amendments begins on the next page:

DEPARTMENT OF AGRICULTURE

NOTICE OF EMERGENCY AMENDMENT

TITLE 8: AGRICULTURE AND ANIMALS
 CHAPTER I: DEPARTMENT OF AGRICULTURE
 SUBCHAPTER b: ANIMALS AND ANIMAL PRODUCTS
 (EXCEPT MEAT AND POULTRY INSPECTION ACT REGULATIONS)

PART 115
 ILLINOIS PSEUDORABIES CONTROL ACT

Section	Definitions
115.10	Incorporation by Reference
115.15	Pseudorabies Quarantines
115.20	General Requirements for Qualified pseudorabies Negative, Negative Gene-Altered Vaccinated and Feeder Swine Pseudorabies Monitored Herds
115.30	Requirements for Establishing and Maintaining Qualified Pseudorabies Negative Herds
115.40	Requirements for Establishing and Maintaining Pseudorabies Negative Gene-Altered Vaccinated Swine Herds
115.50	Requirements for Establishing and Maintaining Feeder Swine Pseudorabies Monitored Herds
115.60	Pseudorabies Test Requirements for Intrastate Movement
115.70	Pseudorabies Testing of Feeder Swine
115.80	Feeder Swine
EMERGENCY	Breeding Animals Consigned to Slaughter
115.90	
115.100	

AUTHORITY: Implementing and authorized by the Illinois Pseudorabies Control Act (Ill. Rev. Stat. 1991, ch. 8, par. 801 et seq., [510 ILCS 90/1] as amended by P.A. 87-157, effective January 1, 1992).

SOURCE: Adopted at 12 Ill. Reg. 3394, effective January 22, 1988; amended at 13 Ill. Reg. 3685, effective March 13, 1989; amended at 14 Ill. Reg. 1935, effective January 19, 1990; amended at 14 Ill. Reg. 5065, effective March 21, 1990; amended at 14 Ill. Reg. 15318, effective September 10, 1990; amended at 16 Ill. Reg. 11781, effective July 8, 1992, emergency amendment at 17 Ill. Reg. 5906, effective March 17, 1993, for a maximum of 150 days.

Section 115.80 Pseudorabies Testing of Feeder Swine
 EMERGENCY

- a) Swine for feeding purposes shall, in addition to complying with the other requirements of this Part and 8 Ill. Adm. Code 105.10, enter or move within Illinois without further testing requirements for pseudorabies if:

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- 1) The swine are from a qualified pseudorabies negative herd, a pseudorabies negative gene-altered vaccinated herd, or a feeder swine pseudorabies monitored herd; or
 - 2) The swine are from a herd in which a representative sample of animals 6 months of age and over have been tested and are negative to an official serological test for pseudorabies within the preceding 12 months. In herds of 35 animals or less, a representative sample is all swine 6 months of age and over or at least 10 animals, whichever is less. In herds of 36 animals or more, a representative sample is a minimum of 30 percent or 30 animals that are 6 months of age and over, whichever is less; or
 - 3) The swine originate from a state ~~or a portion of a~~ state that has been classified as Stage III, IV or V under the Pseudorabies Eradication State-Federal-Industry Program Standards (Jan., 1992) as approved by the United States Animal Health Association (P.O. Box 28176, Suite 205, 6924 Lakeside Avenue, Richmond, Virginia 23228-0176) or originate from a country that meets the requirements for Stage V. If there are multiple pseudorabies classifications within a state, the lowest classification shall be recognized by this Department as the classification for that entire state.
 - b) Swine tested for pseudorabies under a market swine testing program (Section 115.100) shall be included in the representative sample required in subsection (a)(2).
- (Source: Emergency amendment at 17 Ill. Reg. 5906, effective March 17, 1993, for a maximum of 150 days)

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- 1) Heading of Part: Swine Disease Control and Eradication Act
 - 2) Code Citation: 8 Ill. Adm. Code 105
 - 3) Section Number: Emergency Action
105.30 Amended
 - 4) Statutory Authority: The Illinois Swine Disease Control and Eradication Act (Ill. Rev. Stat. 1991, ch. 8, par. 501 et seq.) [510 ILCS 100/1], the Illinois Pseudorabies Control Act (Ill. Rev. Stat. 1991, ch. 8, par. 801 et seq. [510 ILCS 90/1], as amended by P.A. 87-157, effective January 1, 1992), and the Illinois Swine Brucellosis Eradication Act (Ill. Rev. Stat. 1991, ch. 8, par. 148f et seq.) [510 ILCS 95/1].
 - 5) Effective Date of Amendments:
March 17, 1993
 - 6) If this is emergency amendment is to expire before the end of the 150-day period, please specify the date on which it is to expire: N/A
 - 7) Date Filed in Agency's Principal Office: March 16, 1993
 - 8) Reason for the Emergency: The Department feels that emergency rulemaking is necessary due to a change in the pseudorabies status of Indiana and Canada. Under the Program Standards for Pseudorabies Eradication, Indiana has been granted split state status as of February 19, 1993. Under current Illinois regulations, we must accept feeder swine from the Stage III counties without yearly testing. It has long been the feeling of the Illinois Pork Producers Association and the Pseudorabies Advisory Committee that Illinois should not recognize split state status.
- Due to the volume of movement of feeder pigs between Indiana and Illinois, the Department feels that emergency rulemaking must commence to delete the provision of recognizing split status.

We are also seeking emergency rulemaking to lift the testing requirements for breeding and feeding animals entering Illinois from Canada. The United States Department of Agriculture, on May 20, 1991, recognized Canada as meeting Stage V status (free) for pseudorabies. The way the current rules are written, we only recognize states, not countries, as pseudorabies-free. As there is quite a volume of movement of swine entering Illinois from Canada it is an unnecessary

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burden to require Illinois producers to retest these animals.

- 9) A Complete Description of the Subjects and Issues Involved:
The emergency rulemaking described in item #8, will be effective for a maximum of 150 days. The regular rulemaking process will begin as soon as possible.

- 10) Are there any proposed amendments pending to this Part? No

- 11) Statement of Statewide Policy Objectives: Rulemaking does not affect units of local governments.

- 12) Information and questions regarding this adopted amendment shall be directed to:

Name: Barbara K. McGuire

Address: Illinois Department of Agriculture
State Fairgrounds, Springfield,
Illinois 62794-9281

Telephone: 217/782-7559

The full text of the emergency amendments begins on the next page:

DEPARTMENT OF AGRICULTURE

NOTICE OF EMERGENCY AMENDMENT

TITLE 8: AGRICULTURE AND ANIMALS

CHAPTER I: DEPARTMENT OF AGRICULTURE

SUBCHAPTER b: ANIMALS AND ANIMAL PRODUCTS

(EXCEPT MEAT AND POULTRY INSPECTION ACT REGULATIONS)

PART 105

SWINE DISEASE CONTROL AND ERADICATION ACT

Section

105.5

Definitions

105.10 Swine Entering Illinois for Feeding Purposes Only

105.20 Quarantine of Imported Feeder Swine

105.30 Swine Entering Illinois for Breeding Purposes

EMERGENCY

105.40 Pseudorabies (Aujeszky's Disease) in Swine (Repealed)

105.41 General Requirements for Qualified Pseudorabies Negative, Controlled Vaccinated and Feeder Swine Pseudorabies Monitored Herds (Repealed)

105.42 Requirements for Establishing and Maintaining Qualified Pseudorabies Negative Herds (Repealed)

105.44 Requirements for Establishing and Maintaining Pseudorabies Controlled Vaccinated Swine Herds (Repealed)

105.46 Requirements for Establishing and Maintaining Feeder Swine Pseudorabies Monitored Herds (Repealed)

105.50 Official Pseudorabies Test (Repealed)

105.60 Pseudorabies Test Requirements for Intrastate Movement (Repealed)

105.70 Pseudorabies Testing of Feeder Swine (Repealed)

105.80 Feeder Swine (Repealed)

105.90 Feral Swine

AUTHORITY: Implementing and authorized by the Illinois Swine Disease Control and Eradication Act (Ill. Rev. Stat. 1991, ch. 8, par. 501 et seq.) [510 ILCS 100/1], the Illinois Pseudorabies Control Act (Ill. Rev. Stat. 1991, ch. 8, par. 801 et seq., [510 ILCS 90/1], as amended by P.A. 87-157, effective January 1, 1992), and the Illinois Swine Brucellosis Eradication Act (Ill. Rev. Stat. 1991, ch. 8, par. 148f et seq.) [510 ILCS 95/1].

SOURCE: Rules and Regulations Relating to the Illinois Swine Disease Control and Eradication Act, filed February 24, 1975, effective March 6, 1975; 2 Ill. Reg. 24, p. 31, effective June 15, 1978; 2 Ill. Reg. 46, p. 10, effective November 11, 1978; 3 Ill. Reg. 33, p. 341, effective January 1, 1980; 5 Ill. Reg. 3, p. 745, effective January 2, 1981; 5 Ill. Reg. 45, p. 12100, effective October 27, 1981; codified at 5 Ill. Reg. 10461; 5 Ill. Reg. 13619, effective December 4, 1981; amended at 8 Ill. Reg. 5998, effective April 23, 1984; amended at 9 Ill. Reg. 2236, effective February 15,

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1985; amended at 9 Ill. Reg. 18435, effective November 19, 1985; amended at 10 Ill. Reg. 9758, effective May 21, 1986; amended at 11 Ill. Reg. 10187, effective May 15, 1987; amended at 11 Ill. Reg. 10538, effective May 21, 1987; amended at 12 Ill. Reg. 3440, effective January 22, 1988; amended at 13 Ill. Reg. 3715, effective March 13, 1989; amended at 14 Ill. Reg. 1961, effective January 19, 1990; amended at 14 Ill. Reg. 15322, effective September 10, 1990; amended at 16 Ill. Reg. 11799, effective July 8, 1992, emergency amendment at 17 Ill. Reg. 5910, effective March 17, 1993, for a maximum of 150 days.

Section 105.30 Swine Entering Illinois for Breeding Purposes EMERGENCY

- a) Swine for breeding purposes, except feral swine, may enter Illinois provided they are accompanied by an official health certificate.
- b) Official health certificate shall:
 - 1) Be issued by an accredited veterinarian of the state of origin or by a veterinarian in the employ of the United States Department of Agriculture;
 - 2) Be approved by the Animal Health Official of the state of origin;
 - 3) Identify each animal by registration number, ear tag, tattoo, or ear notch approved by the respective breed registry;
 - 4) Show the swine are free from visible evidence of contagious, infectious, or communicable diseases;
 - 5) Show that the swine are not from a quarantined herd and/or area;
 - 6) Show any swine more than 4 months of age to be negative to an official test for brucellosis, conducted by an approved laboratory within 30 days prior to entry, OR that the swine originate from a validated brucellosis-free herd, with validated herd number and validation date listed on the health certificate, OR that the swine originate from a validated brucellosis-free area (Swine Brucellosis Eradication Uniform Methods and Rules (March, 1990; as approved by the United States Animal Health

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Association, P.O. Box 28176, Suite 205, 6924 Lakeside Avenue, Richmond, Virginia 23228-0176)). Incorporation by reference does not include any amendments or editions beyond the date specified; and

- 7) Show any swine to be negative to an official test for pseudorabies conducted by an approved laboratory within 30 days prior to entry OR that the swine originated from a qualified pseudorabies negative herd, with the qualified herd number and qualification date listed on the health certificate, OR that the swine originated from a country that meets the requirements for Stage V or from a state that has been classified as Stage IV or Stage V under the Pseudorabies Eradication State-Federal-Industry Program Standards (April 1989) as approved by the United States Animal Health Association (P.O. Box 28176, Suite 205, 6924 Lakeside Avenue, Richmond, Virginia 23228-0176). If there are multiple pseudorabies classifications within a state, the lowest classification shall be recognized by this Department as the classification for that entire state. Incorporation by reference does not include any amendments or editions beyond the date specified.

- c) A percentage of the breeding swine shall be retested and negative to an official test for pseudorabies conducted not less than 30 days nor more than 90 days after entering Illinois. If the number of breeding animals is 35 or less, all or at least 10 animals, whichever is less, are to be tested. If more than 36 breeding animals are involved, a minimum of 30 percent or 30 animals, whichever is less, is to be tested. Swine originating from a country that meets the requirements for Stage V or a state that has been classified as Stage IV or Stage V under the Pseudorabies Eradication State-Federal-Industry Program Standards are exempt from the isolation and retest provisions. If there are multiple pseudorabies classifications within a state, the lowest classification shall be recognized by this Department as the classification for that entire state.

(Source: Emergency amendment at 17 Ill. Reg. 5910, effective March 17, 1993, for a maximum of 150 days)

DEPARTMENT OF CONSERVATION

NOTICE OF EMERGENCY AMENDMENT

- 1) HEADING OF THE PART: Sport Fishing Regulations for the Waters of Illinois

- 2) CODE CITATION: 17 Ill. Adm. Code 810

- 3) SECTION NUMBERS: 810.45
EMERGENCY ACTION:
Amendment

- 4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5 of the Fish and Aquatic Life Code (Ill. Rev. Stat. 1991, ch. 56, pars. 1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5) [515 ILCS 5/1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5]

- 5) EFFECTIVE DATE OF AMENDMENT: March 25, 1993

- 6) IF THIS EMERGENCY AMENDMENT IS TO EXPIRE BEFORE THE END OF THE 150-DAY PERIOD, PLEASE SPECIFY THE DATE ON WHICH IT IS TO EXPIRE: This emergency amendment will remain in effect for the 150-day period.

- 7) DATE FILED IN AGENCY'S PRINCIPAL OFFICE: March 25, 1993

- 8) REASON FOR EMERGENCY: To regulate the taking of smallmouth bass, "Apple River (within the boundaries of Apple River Canyon State Park)" is being added by emergency amendment to Section 810.45.

- 9) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:
This segment of the Apple River was stocked in 1989, 1990 and 1991 with fingerling smallmouth bass in an effort to restore the fishery impacted by pollution fish kills which have occurred in 1980, 1981 and 1989. The restorative efforts have resulted in the establishment of an excellent population of 1, 2 and 3 year old smallmouth bass which range in size from 3.5 to 11.5 inches. The population has reached a point where exploitation by fishing has the potential to adversely impact the fishery within the park.

- 10) ARE THERE ANY PROPOSED AMENDMENTS TO THIS PART PENDING? No

- 11) STATEMENT OF STATEWIDE POLICY OBJECTIVES (if applicable):
This rule has no impact on local governments.

DEPARTMENT OF CONSERVATION

NOTICE OF EMERGENCY AMENDMENT

- 12) INFORMATION AND QUESTIONS REGARDING THESE AMENDMENTS SHALL BE DIRECTED TO:

Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

THE FULL TEXT OF THE EMERGENCY AMENDMENT BEGINS ON THE NEXT PAGE:

DEPARTMENT OF CONSERVATION

NOTICE OF EMERGENCY AMENDMENT

TITLE 17: CONSERVATION
CHAPTER 1: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 810

SPORT FISHING REGULATIONS FOR THE WATERS OF ILLINOIS

Section

810.10 Sale of Fish and Fishing Seasons

810.20 Snagging

810.30 Pole and Line Fishing Only (Repealed)

810.35 Statewide Sportfishing Regulations - Daily Catch and Size Limits

810.37 Definitions for Site Specific Sportfishing Regulations

810.40 Daily Catch and Size Limits (Repealed)

810.45 Site Specific Water Area Regulations

EMERGENCY

810.50 Bait Fishing

810.60 Bullfrogs

810.70 Free Fishing Days

810.80 Emergency Protective Regulations

810.90 Fishing Tournament Permit

810.100 Bed Protection

AUTHORITY: Implementing and authorized by Sections 1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5 and 25-5 of the Fish and Aquatic Life Code (Ill. Rev. Stat. 1991, ch. 56, pars. 1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5) [515 ILCS 5/1-120, 1-125, 1-150, 5-5, 10-5, 10-10, 10-15, 10-20, 10-25, 10-30, 10-35, 10-45, 10-50, 10-60, 10-75, 10-90, 10-95, 15-50, 20-5, 20-35 and 25-5]

SOURCE: Adopted at 5 Ill. Reg. 751, effective January 8, 1981; codified at 5 Ill. Reg. 10647; amended at 6 Ill. Reg. 342, effective December 23, 1981; amended at 6 Ill. Reg. 7411, effective June 11, 1982; amended at 7 Ill. Reg. 209, effective December 22, 1982; amended at 8 Ill. Reg. 1564, effective January 23, 1984; amended at 8 Ill. Reg. 16769, effective August 30, 1984; amended at 9 Ill. Reg. 2916, effective February 26, 1985; emergency amendments at 9 Ill. Reg. 3825, effective March 13, 1985, for a maximum of 150 days; emergency expired August 10, 1985; amended at 9 Ill. Reg. 6181, effective April 24, 1985; amended at 9 Ill. Reg. 14291, effective September 5, 1985; amended at 10 Ill. Reg. 4835, effective March 6, 1986; amended at 11 Ill. Reg. 4638, effective March 10, 1987; amended at 12 Ill. Reg. 5306, effective March 8, 1988; emergency amendments at 12 Ill. Reg. 6981, effective April 4, 1988, for a maximum of 150 days; emergency expired September 1, 1988; emergency amendments at 12 Ill. Reg. 10525, effective June 7, 1988, for a maximum of 150 days; emergency expired November 4, 1988; amended at 12 Ill. Reg. 15982, effective September 27, 1988; amended at 13 Ill. Reg. 8419, effective May 19, 1989; emergency amendments at 13 Ill. Reg. 12643, effective July 14, 1989, for a maximum of 150 days; emergency expired December 11, 1989; emergency amendments at 13 Ill. Reg. 14085, effective September 4, 1989, for a maximum of 150 days; emergency expired February 1, 1990; emergency amendments at 13 Ill. Reg. 15118, effective September 11, 1989, for a maximum of 150 days; emergency expired February 8, 1990; amended at 14 Ill. Reg. 6164, effective April 17, 1990; emergency amendments at 14 Ill. Reg. 6965, effective April 17, 1990, for a maximum of 150 days; emergency expired September 19, 1990; amended at 14 Ill. Reg.

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8588, effective May 21, 1990; amended at 14 Ill. Reg. 16863, effective October 1, 1990; amended at 15 Ill. Reg. 4699, effective March 18, 1991; emergency amendments at 15 Ill. Reg. 5430, effective March 27, 1991 for a maximum of 150 days; emergency expired August 24, 1991; amended at 15 Ill. Reg. 9977, effective June 24, 1991; amended at 15 Ill. Reg. 13347, effective September 3, 1991; amended at 16 Ill. Reg. 5267, effective March 20, 1992; emergency amendments at 16 Ill. Reg. 6016, effective March 25, 1992, for a maximum of 150 days; emergency expired August 22, 1992; amended at 16 Ill. Reg. 12526, effective July 28, 1992; amended at 17 Ill. Reg. 3853, effective March 15, 1993; emergency amendment at 17 Ill. Reg. 5915, effective Mar. 25, 1993 for a maximum of 150 days.

Section 810.45 Site Specific Water Area Regulations
EMERGENCY

Fishing regulations, including species of fish, fishing methods and daily catch limits are listed for each water area. The numbers in parenthesis refer to the corresponding numbered definitions in Section 810.37 of this Part. If a water area is not listed or if a specific species is not listed, then state-wide restrictions apply. Check the bulletin boards at the specific site for any emergency changes to regulations.

Allison Lake, City of Allison	-	2 Pole and Line Fishing Only (1)
Logan County	-	6 Fish Daily Creel Limit
All Fish		
Channel Catfish		
Andover Lake, City of Andover		
Henry County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish		
Apple River (within the boundaries of Apple River Canyon State Park)		
Jo Daviess County		
Smallmouth Bass	-	14" Minimum Length Limit
Smallmouth Bass	-	1 Fish Daily Creel Limit
Argyle Lake, Argyle Lake State Park		
McDonough County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	1 Fish > 15" &/or 5 < 12" Daily (12)
Large or Smallmouth Bass (14)		
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit
Walleye		
Ashland City Reservoir, City of Ashland		
Cass County	-	2 Pole and Line Fishing Only (1)
All Fish	-	6 Fish Daily Creel Limit
Channel Catfish	-	15" Minimum Length Limit
Large or Smallmouth Bass		
Ashley Reservoir, City of Ashley		
Washington County		

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All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	15" Minimum Length Limit
Auburn Park Lagoon, Chicago Park District		
Cook County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Baker Lake, City of Peru		
LaSalle County		
All Fish	-	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish	-	10 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Large or Smallmouth Bass (14)	-	1 Fish Daily Creel Limit
Baldwin Lake, Baldwin Lake Conservation Area		
Randolph County		
All Fish	-	2 Pole and Line Fishing Only (1)(28)
Large or Smallmouth Bass	-	18" Minimum Length Limit
Striped, White, or Hybrid	-	17" Minimum Length Limit
Striped Bass	-	17" Minimum Length Limit
Striped, White, or Hybrid	-	3 Fish Daily Creel Limit
Striped Bass (16)	-	25 Fish Daily Creel Limit
White, Black, or Hybrid	-	9" Minimum Length Limit
White, Black, or Hybrid	-	9" Minimum Length Limit
Crappie	-	9" Minimum Length Limit
Banana Lake, Lake County Forest Preserve District		
Lake County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	1 Fish Daily Creel Limit
Large or Smallmouth Bass	-	15" Minimum Length Limit
Banner Marsh Lake & Ponds, Banner Marsh State Fish and Wildlife Area		
Peoria/Fulton Counties		
All Fish	-	2 Pole and Line Fishing Only (1)(7)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	1 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit
Walleye	-	14" Minimum Length Limit
Bay Creek Lake, U.S. Forest Service		
Pope County		

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All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Beall Woods Lake, Beall Woods Conservation Area		
Wabash County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	15" Minimum Length Limit
Beaver Dam Lake, Beaver Dam State Park		
Macoupin County		
All Fish	-	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14)	-	25 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
White, Black, or Hybrid	-	10 Fish Daily Creel Limit
Crappie (15)	-	9" Minimum Length Limit
White, Black, or Hybrid	-	9" Minimum Length Limit
Crappie	-	9" Minimum Length Limit
Borah Lake, City of Olney		
Richland County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Braidwood-Mazonia Lakes and Ponds, Mazonia-Braidwood State Fish and Wildlife Area		
Grundy/Will County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	17" Minimum Length Limit
Striped Bass	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	10 Fish Daily Creel Limit
Walleye	-	14" Minimum Length Limit
White, Black, or Hybrid	-	10 Fish Daily Creel Limit
Crappie (15)	-	2 Pole and Line Fishing Only (1)
Buckner City Reservoir, City of Buckner		
Franklin County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Bunker Hill Lake, City of Bunker Hill		

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Location	Species	Regulation
Macoupin County	All Fish	- 2 Pole and Line Fishing Only (1)
	Channel Catfish	- 6 Fish Daily Creel Limit
Burrells Wood Park Pond	White County	
	Channel Catfish	- 6 Fish Daily Creel Limit
Busse Lake, Cook County Forest Preserve		
	Cook County	
	All Fish	- 2 Pole and Line Fishing Only (1)
	Channel Catfish	- 6 Fish Daily Creel Limit
	Walleye, Sauger, or Hybrid	
	Walleye	- 16" Minimum Length Limit
Carlyle Lake (20), U.S. Army Corps of Engineers		
Clinton County		
	Large or Smallmouth Bass	- 14" Minimum Length Limit
	Walleye, Sauger, or Hybrid	
	Walleye	- 14" Minimum Length Limit
	White, Black, or Hybrid	
	Crappie (15)	- 10 Fish Daily Creel Limit
	White, Black, or Hybrid	
	Crappie	- 10" Minimum Length Limit
Carthage Lake, City of Carthage		
Hancock County		
	Channel Catfish	- 6 Fish Daily Creel Limit
Cedar Lake, U.S. Forest Service and City of Carbondale		
Jackson County		
	All Fish	- 2 Pole and Line Fishing Only (1)
	Large or Smallmouth Bass	- 15" Minimum Length Limit
	Striped, White, or Hybrid	
	Striped Bass	- 17" Minimum Length Limit
	Striped, White, or Hybrid	
	Striped Bass (16)	- 3 Fish Daily Creel Limit
	Walleye, Sauger, or Hybrid	
	Walleye	- 14" Minimum Length Limit
Centralia Lake, City of Centralia		
Marion County		
	Large or Smallmouth Bass	- 15" Minimum Length Limit
Charleston Lower Channel Lake, City of Charleston		
Coleen County		
	All Fish	- 2 Pole and Line Fishing Only (1)

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County	Species	Minimum Length	Creel Limit
Charleston Side Channel Lake, City of Charleston	All Fish	-	2 Pole and Line Fishing Only (1)
	Channel Catfish	-	6 Fish Daily Creel Limit
	Large or Smallmouth Bass	-	14" Minimum Length Limit
	Striped, White, or Hybrid Striped Bass	-	17" Minimum Length Limit
	Striped, White, or Hybrid Striped Bass (16)	-	3 Fish Daily Creel Limit
Charlie Brown Lake & Pond, City of Flora	All Fish	-	2 Pole and Line Fishing Only (1)
	Channel Catfish	-	6 Fish Daily Creel Limit
	Large or Smallmouth Bass	-	14" Minimum Length Limit
Citizen's Lake, State of Illinois	All Fish	-	2 Pole and Line Fishing Only (1)
	Bluegill or Redear Sunfish (14)	-	10 Fish Daily Creel Limit
	Channel Catfish	-	6 Fish Daily Creel Limit
	Large or Smallmouth Bass	-	14" Minimum Length Limit
	Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Clinton Lake, Clinton Lake State Recreation Area	All Fish	-	2 Pole and Line Fishing Only (1)(15)
	Large or Smallmouth Bass	-	14" Minimum Length Limit
	Striped, White, or Hybrid Striped Bass	-	17" Minimum Length Limit
	Striped, White, or Hybrid Striped Bass (16)	-	3 Fish Daily Creel Limit
	Walleye or Sauger	-	14" Minimum Length Limit
	White, Black, or Hybrid Crappie (15)	-	15 Fish Daily Creel Limit
	White, Black, or Hybrid Crappie	-	10" Minimum Length Limit
	Coal Creek Fish and Wildlife Area, State of Illinois	-	-
Bureau County	All Fish	-	2 Pole and Line Fishing Only (1)
	Bluegill or Redear Sunfish (14)	-	10 Fish Daily Creel Limit
	Channel Catfish	-	6 Fish Daily Creel Limit
	Large or Smallmouth Bass	-	14" Minimum Length Limit
	Large or Smallmouth Bass (14)	-	1 Fish Daily Creel Limit
Coffee Lake, Coffee Lake State Fish and Wildlife Area			
Montgomery County			

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Large or Smallmouth Bass - 15" Minimum Length Limit
 Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit
 White, Black, or Hybrid
 Crappie (15) - 10 Fish Daily Creel Limit
 White, Black, or Hybrid
 Crappie - 9" Minimum Length Limit

Coles County Airport Lake, Coles County Airport

Coles County
 All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 14" Minimum Length Limit

Columbus Park Lagoon, Chicago Park District

Cook County
 All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit

Cook Co. F.P.D. Lakes, Cook County Forest Preserve District

Cook County
 All Fish - 2 Pole and Line Fishing Only (1)

Coulterville City Lake, City of Coulterville

Randolph County
 All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit

Crab Orchard National Wildlife Refuge, Crab Orchard Lake, U.S. Fish and Wildlife Service

Williamson County
 All Fish - 2 Pole and Line Fishing Only (1)(4)
 Striped, White, or Hybrid
 Striped Bass (16) - 10 Creel/3 Fish 17" or Longer Daily (17)

Crab Orchard National Wildlife Refuge, Devil's Kitchen Lake, U.S. Fish and Wildlife Service

Williamson County
 All Fish - 2 Pole and Line Fishing Only (1)

Crab Orchard National Wildlife Refuge, Little Grassy Lake, U.S. Fish and Wildlife Service

Williamson County
 All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 12-15" Slot Length Limit (3)

Crab Orchard National Wildlife Refuge, Refuge Ponds (except Visitor Pond), U.S. Fish and Wildlife Service

Williamson County
 All Fish - 2 Pole and Line Fishing Only (1)
 Large or Smallmouth Bass - 15" Minimum Length Limit

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Crab Orchard National Wildlife Refuge, Visitor Pond, U.S. Fish and Wildlife Service

Williamson County
 All Fish (30) - 2 Pole and Line Fishing Only (1)
 Large or Smallmouth Bass - 21" Minimum Length Limit

Crawford Co. Cons. Area Ponds, Crawford County Conservation Area

Crawford County
 All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 15" Minimum Length Limit

Dawson Lake & Park Ponds, Moraine View State Park

McLean County
 All Fish - 2 Pole and Line Fishing Only (1)
 Bluegill or Redear Sunfish (14) - 25 Fish Daily Creel Limit
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 15" Minimum Length Limit
 Walleye, Sauger, or Hybrid
 Walleye - 14" Minimum Length Limit
 White, Black or Hybrid Crappie - 9" Minimum Length Limit
 White, Black or Hybrid
 Crappie (15) - 15 Fish Daily Creel Limit

Decatur Park Dist. Ponds, City of Decatur

Macon County
 All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit

Defiance Lake, Moraine Hills State Park

McHenry County
 All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 14" Minimum Length Limit
 Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Dolan Lake, Hamilton County Conservation Area

Hamilton County
 All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 14" Minimum Length Limit
 Walleye, Sauger, or Hybrid
 Walleye - 14" Minimum Length Limit

Douglas Park Lagoon, Chicago Park District

Cook County
 All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit

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Dutchman Lake, Shawnee National Forest Johnson County	-	2 Pole and Line Fishing Only (1) 6 Fish Daily Creel Limit
Channel Catfish	-	
East Fork Lake, City of Olney Richland County	-	2 Pole and Line Fishing Only (1) 6 Fish Daily Creel Limit
All Fish	-	
Channel Catfish	-	
Large or Smallmouth Bass	-	12-15" Slot Length Limit (3)
Walleye, Sauger, or Hybrid	-	
Walleye	-	14" Minimum Length Limit
White, Black, or Hybrid	-	
Crappie (15)	-	25 Fish Daily Creel Limit
Evergreen Lake, City of Bloomington McLean County	-	15" Minimum Length Limit 36" Minimum Length Limit
Large or Smallmouth Bass	-	
Pure Muskellunge	-	
Walleye, Sauger, or Hybrid	-	
Walleye	-	14" Minimum Length Limit
Ferne Clyffe Lake, Ferne Clyffe State Park Johnson County	-	2 Pole and Line Fishing Only (1) 6 Fish Daily Creel Limit
All Fish	-	
Channel Catfish	-	
Forbes State Lake, Stephen A. Forbes State Park Marion County	-	17" Minimum Length Limit
Striped, White, or Hybrid	-	
Striped Bass	-	
Striped, White, or Hybrid	-	3 Fish Daily Creel Limit
Striped Bass (16)	-	
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit
Walleye	-	
Forbes State Lake & Ponds, Stephen A. Forbes State Park Marion County	-	2 Pole and Line Fishing Only (1)(5) 6 Fish Daily Creel Limit
All Fish	-	
Channel Catfish	-	
Large or Smallmouth Bass	-	
Forest Park Lagoon, City of Shelbyville Shelby County	-	2 Pole and Line Fishing Only (1) 6 Fish Daily Creel Limit
All Fish	-	
Channel Catfish	-	
Four Lakes, Winnebago County Forest Preserve	-	6 Fish Daily Creel Limit 12-15" Slot Length Limit (3)
Channel Catfish	-	
Large or Smallmouth Bass	-	
Winnebago County	-	2 Pole and Line Fishing Only (1) 6 Fish Daily Creel Limit
All Fish	-	
Channel Catfish	-	
Fox Chain O'Lakes, State of Illinois Lake and McHenry Counties	-	14" Minimum Length Limit 36" Minimum Length Limit
Large or Smallmouth Bass	-	
Pure Muskellunge	-	
Walleye, Sauger, or Hybrid	-	18" Minimum Length Limit (6)
Walleye	-	
Walleye, Sauger, or Hybrid	-	
Walleye (14)	-	3 Fish Daily Creel Limit (6)
Frank Holten Lakes, Frank Holten State Park St. Clair County	-	2 Pole and Line Fishing Only (1) 6 Fish Daily Creel Limit
All Fish	-	
Channel Catfish	-	
Large or Smallmouth Bass	-	14" Minimum Length Limit
Franklin Creek, Franklin Creek State Natural Area Lee County	-	2 Pole and Line Fishing Only (1)(9)
All Fish	-	
Gale Lake, Village of East Galesburg Knox County	-	2 Pole and Line Fishing Only (1) 10 Fish Daily Creel Limit
All Fish	-	
Bluegill or Redear Sunfish (14)	-	6 Fish Daily Creel Limit
Channel Catfish	-	
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Garfield Park Lagoon, Chicago Park District Cook County	-	2 Pole and Line Fishing Only (1) 6 Fish Daily Creel Limit
All Fish	-	
Channel Catfish	-	
Gebhard Woods Ponds, Gebhard Woods State Park Grundy County	-	2 Pole and Line Fishing Only (1)
All Fish	-	
Giant City Park Ponds, State of Illinois Jackson and Union Counties	-	15" Minimum Length Limit
Largemouth and Spotted Bass	-	
Gillespie New City Lake, City of Gillespie Macoupin County	-	6 Fish Daily Creel Limit 12-15" Slot Length Limit (3)
Channel Catfish	-	
Large or Smallmouth Bass	-	

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Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Gillespie Old City Lake, City of Gillespie Macoupin County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Gladstone Lake, Henderson County Conservation Area Henderson County		
All Fish	-	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14)	-	10 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	12-15" Slot Length Limit (3)
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Glen Shoals Lake, City of Hillsboro Montgomery County		
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	17" Minimum Length Limit
Striped Bass	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	3 Fish Daily Creel Limit
Striped Bass (16)	-	3 Fish Daily Creel Limit
Gompers Park Lagoon, Chicago Park District Cook County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Gordon F. More Park Lake, City of Alton Madison County		
All Fish	-	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14)	-	25 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	2 Fish < 15" &/or 1 Fish > or = 15" Daily (25)
Governor Bond Lake, City of Greenville Bond County		
Large or Smallmouth Bass	-	15" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	17" Minimum Length Limit
Striped Bass	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	3 Fish Daily Creel Limit
Greenfield City Lake, City of Greenfield		

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Green County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Greenville Old City Lake, City of Greenville Bond County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Harrisburg New City Reservoir, City of Harrisburg Saline County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Heidecke Lake, Heidecke Lake State Fish and Wildlife Area Grundy County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	18" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	10 Creel/3 Fish 17" or Longer Daily (17)
Striped Bass (16)	-	22" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	3 Fish Daily Creel Limit
Walleye	-	3 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid	-	3 Fish Daily Creel Limit
Walleye (14)	-	3 Fish Daily Creel Limit
Hennepin Canal-Mainline & Feeder, Hennepin Canal Parkway State Park Multiple Counties		
All Fish	-	2 Pole and Line Fishing Only (1)(13)
Large or Smallmouth Bass	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit
Walleye	-	14" Minimum Length Limit
Herrick Lake, DuPage County Forest Preserve District DuPage County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Hidden Springs State Forest Ponds, Hidden Springs State Forest Shelby County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Highland Old City Lake, City of Highland Madison County		
All Fish	-	2 Pole and Line Fishing Only (1)

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Channel Catfish - 6 Fish Daily Creel Limit

Hillsboro Old City Lake, City of Hillsboro
Montgomery County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 12-15" Slot Length Limit (3)

Homer Lake, Champaign County Forest Preserve District
Champaign County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Hornel Ponds, Donnelly State Fish and Wildlife Area
Bureau County
All Fish - 2 Pole and Line Fishing Only (1)(19)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Horseshoe Lake-Alexander Co., Horseshoe Lake Conservation Area
Alexander County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Horton Lake, Nauvoo State Park
Hancock County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Humbolt Park Lagoon, Chicago Park District
Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Ill. Dept. of Transportation Lake, State of Illinois
Sangamon County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Illinois & Michigan Canal, State of Illinois
Grundy/LaSalle Counties
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Illinois Beach State Park Ponds, Illinois Beach State Park
Lake County

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All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Jackson Park (Columbia Basin) Lagoon, Chicago Park District
Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Johnson Sauk Trail Lake & Pond, Johnson Sauk Trail State Park
Henry County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Jones Park Lake, City of East St. Louis
St. Clair County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Jones State Lake, Saline County Conservation Area
Saline County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Jubilee College State Park Ponds, Jubilee College State Park
Peoria County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Kaskaskia River & all tributaries, State of Illinois
Multiple Counties
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye

Kendall Co. Lake #1, Kendall County Forest Preserve District
Kendall County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Kickapoo State Park Lakes & Ponds, Kickapoo State Park
Vermilion County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Kinkaid Lake, Kinkaid Lake State Fish and Wildlife Area

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NOTICE OF EMERGENCY AMENDMENT

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Jackson County

- Large or Smallmouth Bass - 18" Minimum Length Limit
- Pure Muskellunge - 36" Minimum Length Limit
- Walleye, Sauger, or Hybrid - 14" Minimum Length Limit

Woodford County

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass (14) - 2 Fish < 15" &/or 1 Fish > or = 15" Daily (25)

Lake Atwood, McHenry County Conservation District

Lake George, Loud Thunder Forest Preserve

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit

Lake Bloomington, City of Bloomington

- Large or Smallmouth Bass - 15" Minimum Length Limit
- Striped, White, or Hybrid - 17" Minimum Length Limit
- Striped Bass - 17" Minimum Length Limit
- Striped, White, or Hybrid - 3 Fish Daily Creel Limit
- Striped Bass (16) - 3 Fish Daily Creel Limit
- Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
- Walleye - 14" Minimum Length Limit

Lake Glendale, Shawnee National Forest

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit

Lake Jacksonville, City of Jacksonville

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit

Lake Carlton, Morrison-Rockwood State Park

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit
- Large or Smallmouth Bass - 14" Minimum Length Limit
- Pure Muskellunge - 36" Minimum Length Limit
- Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
- Walleye - 14" Minimum Length Limit
- White, Black, or Hybrid - 25 Fish Daily Creel Limit
- Crappie (15) - 25 Fish Daily Creel Limit

Lake Jacksonville, City of Jacksonville

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass - 15" Minimum Length Limit
- Striped, White, or Hybrid - 17" Minimum Length Limit
- Striped Bass - 17" Minimum Length Limit
- Striped, White, or Hybrid - 3 Fish Daily Creel Limit
- Striped Bass (16) - 25 Fish Daily Creel Limit
- White, Black, or Hybrid - 9" Minimum Length Limit
- Crappie (15) - 9" Minimum Length Limit
- Crappie - 9" Minimum Length Limit

Lake Co. Forest Preserve District Lakes, Lake County Forest Preserve District

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit
- Large or Smallmouth Bass - 15" Minimum Length Limit

Lake Kakusha, City of Mendota

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 10 Fish Daily Creel Limit
- Large or Smallmouth Bass - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass (14) - 14" Minimum Length Limit
- White, Black, or Hybrid - 3 Fish Daily Creel Limit
- Crappie (15) - 10 Fish Daily Creel Limit

Lake Decatur, City of Decatur

- All Fish - 2 Pole and Line Fishing Only (1) (29)
- Large or Smallmouth Bass - 14" Minimum Length Limit
- Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
- Walleye - 14" Minimum Length Limit

Lake Le-Aqua-Na, Lake Le-Aqua-Na State Park

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 10 Fish Daily Creel Limit
- Large or Smallmouth Bass - 6 Fish Daily Creel Limit
- Large or Smallmouth Bass (14) - 14" Minimum Length Limit
- White, Black, or Hybrid - 3 Fish Daily Creel Limit
- Crappie (15) - 10 Fish Daily Creel Limit

Lake Eureka, City of Eureka

- All Fish - 2 Pole and Line Fishing Only (1)
- Channel Catfish - 10 Fish Daily Creel Limit
- Bluegill or Redear Sunfish (14) - 6 Fish Daily Creel Limit

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Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit
 Large or Smallmouth Bass - 14" Minimum Length Limit
 Walleye, Sauger, or Hybrid
 Walleye - 14" Minimum Length Limit
 White, Black, or Hybrid
 Crappie (15) - 25 Fish Daily Creel Limit

Lake Mendota, City of Mendota
 LaSalle County

Channel Catfish - 6 Fish Daily Creel Limit

Lake Michigan (Illinois Portion), State of Illinois
 Lake/Cook Counties

Trout and Salmon - 10" Minimum Length Limit
 Trout and Salmon - No more than 3 fish of any one species daily, except for
 Lake Trout
 Lake Trout - 2 Fish Daily Creel Limit

Lake Milliken, Des Plaines Conservation Area
 Will County

All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit

Lake Mingo & Ponds Kennekuk Cove Park, Vermilion County Conservation Area
 Vermilion County

All Fish - 2 Pole and Line Fishing Only (1)
 Bluegill or Redear Sunfish (14) - 25 Fish Daily Creel Limit
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 15" Minimum Length Limit
 Walleye, Sauger, or Hybrid
 Walleye - 14" Minimum Length Limit

Lake Murphysboro, Lake Murphysboro State Park
 Jackson County

All Fish - 2 Pole and Line Fishing Only (1)
 Bluegill or Redear Sunfish (14) - 25 Fish Daily Creel Limit
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 15" Minimum Length Limit

Lake Nellie, City of St. Elmo
 Fayette County

All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 14" Minimum Length Limit

Lake of the Woods & Elk's Pond, Champaign County Forest Preserve District
 Champaign County

All Fish - 2 Pole and Line Fishing Only (1)

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Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 15" Minimum Length Limit
 Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit

Lake Olson, Rock Cut State Park
 Winnebago County

All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 14" Minimum Length Limit

Lake Paradise & Shadow Ponds, City of Mattoon
 Coles County

All Fish - 2 Pole and Line Fishing Only (1)
 Large or Smallmouth Bass - 14" Minimum Length Limit

Lake Paradise Shadow Ponds, City of Mattoon
 Coles County

Channel Catfish - 6 Fish Daily Creel Limit

Lake Sara, City of Effingham
 Effingham County

Large or Smallmouth Bass - 14" Minimum Length Limit
 Walleye, Sauger, or Hybrid
 Walleye - 14" Minimum Length Limit

Lake Shelbyville (21), U.S. Army Corps of Engineers
 Moultrie/Shelby Counties

Large or Smallmouth Bass - 14" Minimum Length Limit
 Pure Muskellunge - 36" Minimum Length Limit
 Walleye, Sauger, or Hybrid
 Walleye - 14" Minimum Length Limit
 White, Black, or Hybrid
 Crappie (15) - 10 Fish Daily Creel Limit
 White, Black, or Hybrid
 Crappie - 10" Minimum Length Limit

Lake Shelbyville Ponds & Woods Lake, Lake Shelbyville State Fish and Wildlife Area
 Moultrie/Shelby Counties

All Fish - 2 Pole and Line Fishing Only (1)
 Channel Catfish - 6 Fish Daily Creel Limit
 Large or Smallmouth Bass - 14" Minimum Length Limit

Lake Springfield, City of Springfield
 Sangamon County

All Fish - 2 Pole and Line Fishing Only (1)
 Large or Smallmouth Bass - 15" Minimum Length Limit
 Walleye, Sauger, or Hybrid
 Walleye - 14" Minimum Length Limit

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White, Black, or Hybrid Crappie (15)	-	25 Fish Daily Creel Limit
White, Black, or Hybrid Crappie	-	9" Minimum Length Limit
Lake Storey, City of Galesburg Knox County		
All Fish	-	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14)	-	25 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	12-15" Slot Length Limit (3)
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit
Walleye	-	3 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid Walleye (14)	-	
Lake Sule, Flagg-Rochelle Park District Ogle County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Pure Muskellunge	-	36" Minimum Length Limit
Lake Taylorville, City of Taylorville Christian County		
Large or Smallmouth Bass	-	15" Minimum Length Limit
White, Black, or Hybrid Crappie	-	9" Minimum Length Limit
White, Black, or Hybrid Crappie (15)	-	25 Fish Daily Creel Limit
Lake Vandalia, City of Vandalia Fayette County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Striped, White, or Hybrid	-	17" Minimum Length Limit
Striped Bass	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid Striped Bass (16)	-	
Lake Vermilion, Vermilion County Conservation District Vermilion County		
All Fish	-	2 Pole and Line Fishing Only (26)
Large or Smallmouth Bass	-	15" Minimum Length Limit (23)
Pure Muskellunge	-	36" Minimum Length Limit (23)
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit (23)
Walleye	-	
Lake Williamsville, City of Williamsville		

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Sangamon County			
All Fish	-	2 Pole and Line Fishing Only (1)	
Channel Catfish	-	6 Fish Daily Creel Limit	
Large or Smallmouth Bass	-	15" Minimum Length Limit	
LaSalle Lake, LaSalle Power Station LaSalle County			
All Fish	-	2 Pole and Line Fishing Only (1)	
Large or Smallmouth Bass (14)	-	1 Fish Daily Creel Limit	
Large or Smallmouth Bass	-	18" Minimum Length Limit	
Striped, White, or Hybrid Striped Bass (16)	-	10 Creel/3 Fish 17" or Longer Daily (17)	
Lincoln Log Cabin Pond, Lincoln Log Cabin Historical Site Coles County			
All Fish	-	2 Pole and Line Fishing Only (1)	
Lincoln Park North Lagoon, Chicago Park District Cook County			
All Fish	-	2 Pole and Line Fishing Only (1)	
Channel Catfish	-	6 Fish Daily Creel Limit	
Lincoln Park South Lagoon, Chicago Park District Cook County			
All Fish	-	2 Pole and Line Fishing Only (1)	
Channel Catfish	-	6 Fish Daily Creel Limit	
Lincoln Trail Lake, Lincoln Trail State Park Clark County			
All Fish	-	2 Pole and Line Fishing Only (1)	
Channel Catfish	-	6 Fish Daily Creel Limit	
Large or Smallmouth Bass	-	12-15" Slot Length Limit (3)	
Little Black Slough, Little Black Slough State Natural Area Johnson County			
All Fish	-	2 Pole and Line Fishing Only (1)	
All Fish	-	No Seines	
Little Cedar Lake, Shawnee National Forest Jackson County			
All Fish	-	2 Pole and Line Fishing Only (1)	
Channel Catfish	-	6 Fish Daily Creel Limit	
Little Sister Lake, County of Fulton Fulton County			
All Fish	-	2 Pole and Line Fishing Only (1)	
Bluegill or Redear Sunfish (14)	-	10 Fish Daily Creel Limit	
Channel Catfish	-	6 Fish Daily Creel Limit	

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Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Lou Yeager Lake, City of Litchfield
Montgomery County

Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Lower Cache River, Lower Cache River State Natural Area
Pulaski/Johnson Counties

All Fish - 2 Pole and Line Fishing Only (1)
All Fish - No Seines

Lyerla Lake, Union County Conservation Area
Union County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Macon County Conservation District Ponds, Macon County Conservation District
Macon County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Maple Lake, Cook County Forest Preserve District
Cook County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Marquette Park Lagoon, Chicago Park District
Cook County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Marshall County Conservation Area (Fishing Ditch), Marshall County Conservation Area
Marshall County

All Fish - 2 Pole and Line Fishing Only (1)

Mattoon Lake, City of Mattoon
Coles County

All Fish - 2 Pole and Line Fishing Only (1)
Large or Smallmouth Bass - 14" Minimum Length Limit

Mazonia-Braidwood Lakes & Ponds, Mazonia-Braidwood State Fish and Wildlife Area
Grundy/Will Counties

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

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Striped, White, or Hybrid
Striped Bass - 17" Minimum Length Limit
Striped, White, or Hybrid
Striped Bass (16) - 3 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid
Walleye - 14" Minimum Length Limit
White, Black or Hybrid
Crappie (15) - 10 Fish Daily Creel Limit

McCullom Lake, City of McHenry
McHenry County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

McKinley Park Lagoon, Chicago Park District
Cook County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

McLeansboro City Lakes, City of McLeansboro
Hamilton County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Mermet State Lake, Mermet Lake Conservation Area
Massac County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Middle Fork Forest Preserve Ponds, Champaign County Forest Preserve
Champaign County

All Fish - 2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14) - 25 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Mill Creek Lake, Clark County Park District
Clark County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 12-15" Slot Length Limit (3)
Walleye, Sauger, or Hybrid
Walleye - 14" Minimum Length Limit

Miller Park Lake, City of Bloomington
McLean County

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All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Mineral Springs Park Lagoon, City of Pekin
Tazewell County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Mississippi River (between IL & IA), State of Illinois

Multiple Counties - 14" Minimum Length Limit
Large or Smallmouth Bass - 5 Fish Daily Creel Limit
Northern Pike - 10 Fish Daily Creel Limit (24)
Walleye and Sauger (14) - 15" Minimum Length Limit
Walleye

Mississippi River (between IL & MO), State of Illinois

Multiple Counties - 1 Fish Daily Creel Limit
Northern Pike - 8 Fish Daily Creel Limit
Walleye and Sauger (14)

Monroe Reservoir, Will County Forest Preserve District

Will County - 2 Pole and Line Fishing Only (1)
All Fish - 6 Fish Daily Creel Limit
Channel Catfish - 1 Fish Daily Creel Limit
Large or Smallmouth Bass (14) - 15" Minimum Length Limit
Large or Smallmouth Bass

Montrose Lake, City of Montrose

Cumberland County - 2 Pole and Line Fishing Only (1)
All Fish - 6 Fish Daily Creel Limit
Channel Catfish - 14" Minimum Length Limit
Large or Smallmouth Bass

Mt. Olive City Lakes, City of Mt. Olive

Macoupin County - 2 Pole and Line Fishing Only (1)
All Fish - 6 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit

Mt. Sterling Lake, City of Mt. Sterling

Brown County - 6 Fish Daily Creel Limit
Channel Catfish - 12-15" Slot Length Limit (3)
Large or Smallmouth Bass

Mundelein Park Dist. (Diamond Lake & Park Ponds), City of Mundelein
Lake County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

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Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Nashville City Lake, City of Nashville
Washington County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 18" Minimum Length Limit

Newton Lake, Newton Lake State Fish and Wildlife Area

Jasper County - 2 Pole and Line Fishing Only (1)
All Fish - 18" Minimum Length Limit
Large or Smallmouth Bass - 3 Fish Daily Creel Limit
Large or Smallmouth Bass (14) - 14" Minimum Length Limit
Walleye, Sauger, or Hybrid - 10 Fish Daily Creel Limit
Walleye - 10" Minimum Length Limit
White, Black, or Hybrid - 10 Fish Daily Creel Limit
Crappie (15) - 10" Minimum Length Limit
White, Black, or Hybrid - 10" Minimum Length Limit
Crappie

Oakland City Lake, City of Oakland

Coles County - 2 Pole and Line Fishing Only (1)
All Fish - 6 Fish Daily Creel Limit
Channel Catfish - 14" Minimum Length Limit
Large or Smallmouth Bass

One Horse Gap Lake, Shawnee National Forest

Gallatin County - 2 Pole and Line Fishing Only (1)
All Fish - 6 Fish Daily Creel Limit
Channel Catfish

Otter Lake, Otter Lake Water Commission

Macoupin County - 15" Minimum Length Limit
Large or Smallmouth Bass - 17" Minimum Length Limit
Striped, White, or Hybrid - 3 Fish Daily Creel Limit
Striped Bass - 36" Minimum Length Limit
Striped, White, or Hybrid
Pure Muskellunge

Palmyra City Lake & Terry Park Pond, City of Palmyra

Macoupin County - 2 Pole and Line Fishing Only (1)
All Fish - 6 Fish Daily Creel Limit
Channel Catfish

Pana Lake, City of Pana
Shelby and Christian Counties

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All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Paris East & West Lakes, City of Paris		
Edgar County		
All Fish	-	2 Pole and Line Fishing Only (1)(5)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Peelman Lake, Kickapoo State Park		
Vermilion County		
Large or Smallmouth Bass	-	14" Minimum Length Limit
Pierce Lake, Rock Cut State Park		
Winnebago County		
All Fish	-	2 Pole and Line Fishing Only (1)(8)
Bluegill or Redear Sunfish (14)	-	5 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass (14)	-	1 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Pure Muskellunge	-	36" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit
Walleye	-	25 Fish Daily Creel Limit
White, Black, or Hybrid	-	
Crappie (15)	-	
Piscasaw Creek, State of Illinois		
McHenry County		
Trout	-	9" Minimum Length Limit
Pittsfield City Lake, City of Pittsfield		
Pike County		
Large or Smallmouth Bass	-	14" Minimum Length Limit
Striped, White, or Hybrid	-	
Striped Bass	-	17" Minimum Length Limit
Striped, White, or Hybrid	-	
Striped Bass (16)	-	3 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid	-	14" Minimum Length Limit
Walleye	-	
Pocahontas Park Pond, City of Pocahontas		
Bond County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Pounds Hollow Lake, Shawnee National Forest		
Gallatin County		

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All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Powerton Lake, Powerton Lake Fish and Wildlife Area		
Tazewell County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	18" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Striped, White, or Hybrid	-	
Striped Bass (16)	-	10 Creel/3 Fish 17" or Longer Daily (17)
Walleye, Sauger, or Hybrid	-	
Walleye (14)	-	1 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid	-	
Walleye	-	24" Minimum Length Limit
Pratt Wayne Woods Lakes, DuPage County Forest Preserve		
DuPage County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Pyramid State Park Lakes & Ponds, Pyramid State Park		
Perry County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Ramsey Lake, Ramsey Lake State Park		
Fayette County		
All Fish	-	2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14)	-	25 Fish Daily Creel Limit
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Walleye, Sauger, or Hybrid	-	
Walleye	-	14" Minimum Length Limit
White, Black, or Hybrid	-	
Crappie (15)	-	10 Fish Daily Creel Limit
White, Black, or Hybrid	-	
Crappie	-	9" Minimum Length Limit
Randolph County Lake, Randolph County Conservation Area		
Randolph County		
All Fish	-	2 Pole and Line Fishing Only (1)
Channel Catfish	-	6 Fish Daily Creel Limit
Large or Smallmouth Bass	-	14" Minimum Length Limit
Large or Smallmouth Bass (14)	-	3 Fish Daily Creel Limit
Walleye, Sauger, or Hybrid	-	
Walleye	-	14" Minimum Length Limit

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Red Hills Lake, Red Hills State Park
Lawrence County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit

Rend Lake, (22) U.S. Army Corps of Engineers
Franklin County
Large or Smallmouth Bass - 14" Minimum Length Limit
Striped, White, or Hybrid
Striped Bass (16) - 10 Creel/3 Fish 17" or Longer Daily (17)
Yellow Bass - 10 Creel/3 Fish 17" or Longer Daily (17)

Rend Lake Project Ponds, U.S. Army Corps of Engineers
Franklin County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Ridge Lake, Fox Ridge State Park
Coles County
All Fish - 2 Pole and Line Fishing Only (1)(27)
Channel Catfish - 14" Minimum Length Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye

Ris Park Lagoon, Chicago Park District
Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Rock River Main Stem Only, State of Illinois
Multiple Counties
Large or Smallmouth Bass - 12" Minimum Length Limit
Walleye, Sauger, and Hybrid - 14" Minimum Length Limit
Walleye

Roodhouse Park Lake, City of Roodhouse
Green County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Sam Dale Cons. Area Lake & Ponds, Sam Dale Conservation Area
Wayne County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

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Large or Smallmouth Bass - 14" Minimum Length Limit

Sam Parr Lake, Sam Parr State Park
Jasper County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Sand Lake, Illinois Beach State Park
Lake County
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass(14) - 1 Fish Daily Creel Limit

Sangchris Lake, Sangchris Lake State Park
Christian/Sangamon Counties
All Fish - 2 Pole and Line Fishing Only (1)
Large or Smallmouth Bass (14) - 2 Fish < 15" &/or 1 Fish > or = 15" Daily (25)
White, Black, or Hybrid - 25 Fish Daily Creel Limit
Crappie (15)
White, Black, or Hybrid - 9" Minimum Length Limit
Crappie

Sangchris Lake Park Ponds, Sangchris Lake State Park
Sangamon County
All Fish - 2 Pole and Line Fishing Only (1)

Schuy-Rush Lake, City of Rushville
Schuyler County
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye - 9" Minimum Length Limit
White, Black, or Hybrid
Crappie

Senior Citizen's Pond, Kankakee River State Park
Kankakee County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Shabbona Lake, Shabbona Lake State Park
DeKalb County
All Fish - 2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14) - 10 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Pure Muskellunge - 36" Minimum Length Limit
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye

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White, Black, or Hybrid
Crappie (15) - 10 Fish Daily Creel Limit

Shawnee National Forest Lakes & Ponds, Shawnee National Forest
Multiple Counties

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Shawnee National Forest Lakes & Ponds less than 10 acres, U.S. Forest Service
Multiple Counties
Largemouth Bass - 12" Minimum Length Limit

Sherman Park Lagoon, Chicago Park District
Cook County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Siloam Springs Lake, Siloam Springs State Park
Adams County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 12-15" Slot Length Limit (3)

Silver Lake (Highland), City of Highland
Madison County

Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye

Silver Springs S.P. Lake & Ponds, Silver Springs State Park
Kendall County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit

Snake Den Hollow Lakes, Snake Den Hollow State Fish and Wildlife Area
Knox County

All Fish - 2 Pole and Line Fishing Only (1)
Bluegill or Redear Sunfish (14) - 5 Fish Daily Creel Limit
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit
Pure Muskellunge - 36" Minimum Length Limit

Walleye, Sauger, or Hybrid - 3 Fish Daily Creel Limit
Walleye (14)

Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
White, Black, or Hybrid

Crappie (15) - 5 Fish Daily Creel Limit

Sparta City Lakes, City of Sparta
Randolph County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit

Spring Lake, City of Macomb
McDonough County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Striped, White, or Hybrid
Striped Bass - 17" Minimum Length Limit
Striped, White, or Hybrid
Striped Bass (16) - 3 Fish Daily Creel Limit

Spring Lake (North & South), Spring Lake Conservation Area
Tazewell County

All Fish - 2 Pole and Line Fishing Only (1)(7)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Pure Muskellunge - 36" Minimum Length Limit
White, Black, or Hybrid
Crappie (15) - 25 Fish Daily Creel Limit
White, Black, or Hybrid - 9" Minimum Length Limit
Crappie

St. Elmo South Lake, City of St. Elmo
Fayette County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Staunton City Lake, City of Staunton
Macoupin County

All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Sterling Lake, Lake County Forest Preserve District
Lake County

All Fish - 2 Pole & Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass (14) - 1 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit
Pure Muskellunge - 36" Minimum Length Limit
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye

DEPARTMENT OF CONSERVATION

NOTICE OF EMERGENCY AMENDMENT

Tampier Lake, Cook County Forest Preserve

- All Fish
- Channel Catfish
- Walleye, Sauger, or Hybrid
- Walleye
- 2 Pole and Line Fishing Only
- 6 Fish Daily Creel Limit
- 16" Minimum Length Limit

Tecumseh Lake, Shawnee National Forest

- All Fish
- Channel Catfish
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit

Ten Mile Creek Lakes, Ten Mile Creek State Fish and Wildlife Area

- Hamilton/Jefferson Counties
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit

Tomahawk Lake, Moraine Hills State Park

- McHenry County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- Large or Smallmouth Bass (14)
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit
- 3 Fish Daily Creel Limit

Tremont Ponds, Village of Tremont

- Tazewell County
- All Fish
- Channel Catfish
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit

Turner Lake, Chain O'Lakes State Park

- Lake County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass (14)
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 1 Fish Daily Creel Limit
- 15" Minimum Length Limit

Tuscola City Lake, City of Tuscola

- Douglas County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit

Valley Lake, Wildwood Park District

- Lake County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 15" Minimum Length Limit

DEPARTMENT OF CONSERVATION

NOTICE OF EMERGENCY AMENDMENT

Large or Smallmouth Bass (14)

- 3 Fish Daily Creel Limit
- Vandalia Correctional Facility Ponds, State of Illinois
- Fayette County
- All Fish
- Channel Catfish
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit

Vanhorn Woods Pond, Plainfield Park District

- Will County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- Large or Smallmouth Bass (14)
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 15" Minimum Length Limit
- 1 Fish Daily Creel Limit

Vernor Lake, City of Olney

- Richland County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit

Villa Grove East Lake, City of Villa Grove

- Douglas County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit

Villa Grove West Lake, City of Villa Grove

- Douglas County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 14" Minimum Length Limit

Virginia City Reservoir, City of Virginia

- Cass County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 15" Minimum Length Limit

Walnut Point Lake, Walnut Point State Fish and Wildlife Area

- Douglas County
- All Fish
- Channel Catfish
- Large or Smallmouth Bass
- 2 Pole and Line Fishing Only (1)
- 6 Fish Daily Creel Limit
- 12-15" Slot Length Limit (3)

Walton Park Lake, City of Litchfield

Montgomery County

DEPARTMENT OF CONSERVATION
NOTICE OF EMERGENCY AMENDMENT

Warrior Lake, Moraine Hills State Park
McHenry County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Washington County Lake, Washington County Conservation Area
Washington County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Washington Park Lagoon, Chicago Park District
Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Waverly Lake, City of Waverly
Morgan County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 15" Minimum Length Limit

Weinberg-King Pond, Weinberg-King State Park
Schuyler County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Weldon Springs Lake, Weldon Springs State Park
DeWitt County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

West Frankfort New City Lake, City of West Frankfort
Franklin County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

West Frankfort Old City Lake, City of West Frankfort

DEPARTMENT OF CONSERVATION
NOTICE OF EMERGENCY AMENDMENT

Franklin County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

White Hall City Lake, City of White Hall
Green County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Whoopie Cat Lake, Shawnee National Forest
Hardin County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

Wilderness Lake, Moraine Hills State Park
McHenry County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Large or Smallmouth Bass (14) - 3 Fish Daily Creel Limit

Wilderness Pond, Fox Ridge State Park
Coles County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit

Wolf Lake, William W. Powers Conservation Area
Cook County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit
Large or Smallmouth Bass - 14" Minimum Length Limit
Walleye, Sauger, or Hybrid - 14" Minimum Length Limit
Walleye - 14" Minimum Length Limit

Woodford Co. Cons. Area (Fishing Ditch), Woodford County Conservation Area
Woodford County
All Fish - 2 Pole and Line Fishing Only (1)

Wyman Lake, City of Sullivan
Moultrie County
All Fish - 2 Pole and Line Fishing Only (1)
Channel Catfish - 6 Fish Daily Creel Limit

DEPARTMENT OF PUBLIC HEALTH/HEALTH FACILITIES PLANNING BOARD

NOTICE OF REFUSAL

TO MEET THE OBJECTION OF THE JOINT COMMITTEE ON ADMINISTRATIVE RULES

- 1) The Heading of the Part:
Health Facilities Planning Procedural Rules

- 2) Code Citation:
77 Ill. Adm. Code 1130

- 3) Section Numbers: Action:
1130. Appendix A Refusal

- 4) Date Notice of Proposed Rules Published in the Illinois Register:
March 27, 1992 (16 Ill. Reg. 4755)

- 5) Date JCAR Statement of Objection Published in the Illinois Register:

January 29, 1993 (17 Ill. Reg. 1242)

- 6) Summary of Action Taken by the Agency:

The Department of Public Health/Health Facilities Planning Board refuses to modify or withdraw Section 1130. Appendix A in response to the objection of the Joint Committee on Administrative Rules.

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE OF FAILURE TO REMEDY

- 1) Heading of Part: Procedures of the Department of State Police Merit Board
- 2) Code Citation: 80 Ill Adm Code 150
- 3) Section Numbers: 150.210 Action: Refusal to remedy in response to JCAR Recommendation
- 4) Notice of Emergency published in the Register: 16 Ill. Reg. 17372
11/16/92
- 5) Date JCAR issued Statement of Recommendation: 1/4/93 17 Ill. Reg. 181
- 6) Summary of Action taken by the Agency: The Committee Recommended that the Board seek legislation to delete the statutory requirement that the Department is to set a maximum hiring age for Illinois State Police Sworn Officers. On February 19, 1993, the Board responded to the Recommendation, indicating that it would not seek legislation to amend the statutory requirement.
- 7) JCAR Action: At the March 9, 1993 meeting, JCAR determined that the response failed to remedy the Recommendation. This Notice of the failure to remedy the situation that gave rise to the Recommendation is published in accordance with 1 Ill Adm Code 220.1300.

JOINT COMMITTEE ON ADMINISTRATIVE RULES
STRATTON OFFICE BUILDING
ROOM A-1

SPRINGFIELD, ILLINOIS
10:00 A.M.
APRIL 13, 1993

NOTICE: It is the policy of the Committee to allow only representatives of State agencies to testify orally on any rule under consideration at Committee hearings. If members of the public wish to express their views with respect to a proposed rule, they should submit written comments to the Office of the Joint Committee on Administrative Rules at the following address:

Joint Committee on Administrative Rules
700 Stratton Building
Springfield, Illinois 62706

AGENDA

I. Approval of March 9, 1993 Minutes

II. Review of Proposed Agency Rulemaking

Agriculture

1. Egg and Egg Products Act (8 Ill Adm Code 65)
-First Notice Published: 17 Ill Reg 527 - 1/15/93
-Expiration of Second Notice Period: 4/22/93

2. Sustainable Agriculture (8 Ill Adm Code 750)
-First Notice Published: 17 Ill Reg 1251 - 2/5/93
-Expiration of Second Notice Period: 5/10/93

Commerce and Community Affairs

3. Repeal of State Administration of the Illinois Neighborhood Corps Program (47 Ill Adm Code 130)
-First Notice Published: 17 Ill Reg 1 - 1/4/93
-Expiration of Second Notice Period: 4/23/93

Conservation

4. North Point Marina (17 Ill Adm Code 220)
-First Notice Published: 16 Ill Reg 19993 - 12/28/92
-Expiration of Second Notice Period: 4/19/93

Employment Security

5. Americans With Disabilities Act Grievance Procedure (4 Ill Adm Code 1025)
-First Notice Published: 16 Ill Reg 13188 - 8/28/92
-Expiration of Second Notice Period: 4/30/93

Environmental Protection Agency

6. Americans With Disabilities Act Grievance Procedure (4 Ill Adm Code 925)
-First Notice Published: 16 Ill Reg 10534 - 7/10/92
-Expiration of Second Notice Period: 4/14/93

Insurance

7. Purchasing and Selling Call and Put Options Contracts (50 Ill Adm Code 802)
-First Notice Published: 17 Ill Reg 44 - 1/4/93
-Expiration of Second Notice Period: 5/7/93
8. Financial Futures Contracts (50 Ill Adm Code 805)
-First Notice Published: 17 Ill Reg 42 - 1/4/93
-Expiration of Second Notice Period: 5/7/93
9. Minimum Standards for Individual and Group Medicare Supplement Insurance (50 Ill Adm Code 2008)
-First Notice Published: 16 Ill Reg 18917 - 12/11/92
-Expiration of Second Notice Period: 5/10/93

Pollution Control Board

10. Major Stationary Sources Construction and Modification (35 Ill Adm Code 203)
-First Notice Published: 16 Ill Reg 18919 - 12/11/92
-Expiration of Second Notice Period: 4/26/93

Public Aid

11. Hospital Services (89 Ill Adm Code 148)
-First Notice Published: 16 Ill Reg 12826 - 8/21/92
-Expiration of Second Notice Period: 4/14/93
12. Aid to the Aged, Blind or Disabled (89 Ill Adm Code 113)
-First Notice Published: 16 Ill Reg 17457 - 11/20/92
-Expiration of Second Notice: 4/22/93

13. General Assistance (89 Ill Adm Code 114)
-First Notice Published: 16 Ill Reg 19654 - 12/18/92
-Expiration of Second Notice Period: 4/22/92

14. General Assistance (89 Ill Adm Code 114)
 - First Notice Published: 16 Ill Reg 18226 - 12/4/92
 - Expiration of Second Notice Period: 4/22/92
 15. General Assistance (89 Ill Adm Code 114)
 - First Notice Published: 16 Ill Reg 17459 - 11/20/92
 - Expiration of Second Notice Period: 4/22/93
 16. Aid to Families with Dependent Children (89 Ill Adm Code 112)
 - First Notice Published: 16 Ill Reg 19642 - 12/18/92
 - Expiration of Second Notice Period: 4/22/93
 17. Medical Payment (89 Ill Adm Code 140)
 - First Notice Published: 16 Ill Reg 19665 - 12/18/92
 - Expiration of Second Notice Period: 4/22/93
 18. Medical Payment (89 Ill Adm Code 140)
 - First Notice Published: 16 Ill Reg 17461 - 11/20/92
 - Expiration of Second Notice Period: 4/22/93
 19. Medical Payment (89 Ill Adm Code 140)
 - First Notice Published: 17 Ill Reg 62 - 1/4/93
 - Expiration of Second Notice Period: 4/22/93
 20. Practice in Administrative Hearings (89 Ill Adm Code 104)
 - First Notice Published: 17 Ill Reg 540 - 1/15/93
 - Expiration of Second Notice Period: 4/26/93
 21. Aid to the Aged, Blind or Disabled (89 Ill Adm Code 113)
 - First Notice Published: 17 Ill Reg 702 - 1/22/93
 - Expiration of Second Notice period: 4/30/93
 22. Medical Assistance Programs (89 Ill Adm Code 120)
 - First Notice Published: 17 Ill Reg 711 - 1/22/93
 - Expiration of Second Notice Period: 4/30/93
- Racing Board
23. Jockeys, Apprentices, Jockey Agents, and Valets (11 Ill Adm Code 1411)
 - First Notice Published: 17 Ill Reg 1372 - 2/5/93
 - Expiration of Second Notice Period: 5/10/93
- Rehabilitation Services
24. Client Responsibilities (89 Ill Adm Code 680)
 - First Notice Published: 17 Ill Reg 943 - 1/29/93
 - Expiration of Second Notice Period: 5/10/93
- Revenue
25. Income Tax (86 Ill Adm Code 100)
 - First Notice Published: 17 Ill Reg 222 - 1/8/93
 - Expiration of Second Notice Period: 4/19/93
 26. Electronic Filing of Illinois Individual Income Tax Returns (86 Ill Adm Code 105)
 - First Notice Published: 17 Ill Reg 219 - 1/8/93
 - Expiration of Second Notice Period: 4/19/93
- Secretary of State
27. Literacy Grant Program (23 Ill Adm Code 3040)
 - First Notice Published: 17 Ill Reg 958 - 1/29/93
 - Expiration of Second Notice Period: 5/7/93
- State Fire Marshal
28. Fire Equipment Administrative Procedures (41 Ill Adm Code 280)
 - First Notice Published: 16 Ill Reg 15665 - 10/16/92
 - Expiration of Second Notice Period: 4/26/93
- State Police Merit Board
29. Procedures of the Department of State Police Merit Board (80 Ill Adm Code 150)
 - First Notice Published: 16 Ill Reg 17959 - 11/30/92
 - Expiration of Second Notice Period: 4/21/93
- State Toll Highway Authority
30. State Toll Highway Rules (92 Ill Adm Code 2520)
 - First Notice Published: 17 Ill Reg 542 - 1/15/93
 - Expiration of Second Notice Period: 4/29/93
- Transportation
31. Control of Outdoor Advertising Adjacent to Primary and Interstate Highways (92 Ill Adm Code 522)
 - First Notice Published: 17 Ill Reg 981 - 1/29/93
 - Expiration of Second Notice Period: 5/10/93
- Treasurer
32. Illinois Public Treasurers' Investment Pool for Public Treasurers in the State of Illinois (74 Ill Adm Code 740)
 - First Notice Published: 17 Ill Reg 585 - 1/15/93
 - Expiration of Second Notice Period: 4/26/93
- III. Certification of No Objection to Proposed Rulemaking

IV. Review of Emergency and Peremptory Rulemakings

Racing Board

33. Admissions and Credentials (11 Ill Adm Code 1428) (Emergency)
-First Published: 17 Ill Reg 3683 - 3/19/93

V. Agency Responses to Joint Committee Action

Mental Health and Developmental Disabilities

34. Early Intervention Program (59 Ill Adm Code 121)

-First Published: 10/16/92
-Objection Date: 3/9/93
-Response: Agree

35. Certification Under Medicaid Rehabilitation Option for Early Intervention Programs (59 Ill Adm Code 122)

-First Published: 10/16/92
-Objection Date: 3/9/93
-Response: Agree

Treasurer

36. Smart Money Program Confidentiality Requirements (74 Ill Adm Code 730)

-First Published: 2/5/93
-Objection Date: 2/17/93
-Response: Agree

JOINT COMMITTEE ON ADMINISTRATIVE RULES
ILLINOIS GENERAL ASSEMBLY

SECOND NOTICES RECEIVED

The following second notices were received by the Joint Committee on Administrative Rules during the period of March 24, 1993 through March 30, 1993, and have been scheduled for review by the Committee at its April 13, 1993 meeting or May 11, 1993 meeting. Other items not contained in this published list may also be considered. Members of the public wishing to express their views with respect to a rule should submit written comments to the Committee at the following address: Joint Committee on Administrative Rules, 700 Stratton Office Bldg., Springfield, IL 62706.

Second Notice Expires	Agency and Rule	Start of First Notice	JCAR Meeting
5/7/93	Department of Insurance, Purchasing and Selling Call and Put Options Contracts (50 Ill Adm Code 802)	1/4/93 17 Ill Reg 44	4/13/93
5/7/93	Department of Insurance, Financial Futures Contracts (50 Ill Adm Code 805)	1/4/93 17 Ill Reg 42	4/13/93
5/7/93	Secretary of State, Literacy Grant Program (23 Ill Adm Code 3040)	1/29/93 17 Ill Reg 958	4/13/93
5/10/93	Department of Agriculture, Sustainable Agriculture (8 Ill Adm Code 750)	2/5/93 17 Ill Reg 1251	4/13/93
5/10/93	Department of Insurance, Minimum Standards for Individual and Group Medicare Supplement Insurance (50 Ill Adm Code 2008)	12/11/92 16 Ill Reg 18917	4/13/93
5/10/93	Illinois Racing Board, Jockeys, Apprentices, Jockey Agents, and Valets (11 Ill Adm Code 1411)	2/5/93 17 Ill Reg 1372	4/13/93
5/10/93	Department of Rehabilitation Services, Client Responsibilities (89 Ill Adm Code 680)	1/29/93 17 Ill Reg 943	4/13/93

JOINT COMMITTEE ON ADMINISTRATIVE RULES
ILLINOIS GENERAL ASSEMBLY

SECOND NOTICES RECEIVED
(Page 2)

5/10/93	Department of Transportation, Control of Outdoor Advertising Adjacent to Primary and Inter- state Highways (92 Ill Adm Code 522)	1/29/93 17 Ill Reg 981	4/13/93
5/13/93	Treasurer, Home Ownership Made Easy Act (74 Ill Adm Code 750)	1/22/93 17 Ill Reg 777	5/11/93
5/13/93	Pollution Control Board, Activity Standards (35 Ill Adm Code 1421)	12/18/92 16 Ill Reg 19615	5/11/93
5/13/93	Pollution Control Board, General Provisions (35 Ill Adm Code 1420)	12/18/92 16 Ill Reg 19625	5/11/93
5/13/93	Pollution Control Board, Design and Operation of Facilities (35 Ill Adm Code 1422)	12/28/92 16 Ill Reg 20002	5/11/93

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P.A. 87-823

- 1) Heading of the Part: Complaint Review
- 2) Code Citation: 1 Ill Adm Code 260
- 3) Sections: Authority Note; 260.100; 260.350; 260.900; 260.950;
260.1000; 260.1200; 260.Exhibit A; 260.Exhibit B
- 4) The Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par.1001 et seq.) [5 ILCS 100/1-1 et seq.] amended pursuant to P.A. 87-823, effective July 1, 1992, requires each Agency to integrate all renumbered citations to the Act in their rules on file with the Administrative Code Division, Index Department, Office of Secretary of State, by July 1, 1993.
- 5) Pursuant to Section 5-155 of the Illinois Administrative Procedure Act, the following changes in the above named rules are made:

Section/ Subsection No.	IAPA Citation Conversions:	
	Existing Cite	New Cite
Authority Note:	Sec. 7.04	Sec. 5-100
	Sec. 7.07	Sec. 5-120
	Sec. 7.09	Sec. 5-135
	Par. 1007.04	Par. 1005-100
	Par. 1007.07	Par. 1005-120
	Par. 1007.09	Par. 1005-135
260.100:	Sec. 7.04	Sec. 5-100
	Sec. 7.07	Sec. 5-120
	Par. 1007.04	Par. 1005-100
	Par. 1007.07	Par. 1005-120
260.350:	Sec. 8	Sec. 5-145
260.900:	Sec. 7.07	Sec. 5-120
260.950:	Par. 1007.04	Par. 1005-100
260.1000:	Sec. 7.07	Sec. 5-120
	Sec. 5.01	Sec. 5-40
	Sec. 7.07(g)	Sec. 5-120(g)
260.1200:	Sec. 7.07	Sec. 5-120

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P. A. 87-823

Section/ Subsection No.	IAPA Citation Conversions:	
	Existing Cite	New Cite
260. Exhibit A:	Sec. 7.04 Sec. 7.07	Sec. 5-100 Sec. 5-120
260. Exhibit B:	Sec. 7.04 Sec. 7.07	Sec. 5-100 Sec. 5-120

These changes have been made to the rules on file with the Administrative Code Division of the Index Department, Office of the Secretary of State. These changes do not affect the validity of the rules nor the date on which they became effective.

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P. A. 87-823

- 1) Heading of the Part: Expedited Corrections
- 2) Code Citation: 1 Ill Adm Code 245
- 3) Sections: Authority Note; 245.100; 245.110; 245.120; 245.130; 245.140; 245.Exhibit A; 245.Exhibit B;
- 4) The Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1001 et seq.) [5 ILCS 100/1-1 et seq.] amended pursuant to P.A. 87-823, effective July 1, 1992, requires each Agency to integrate all renumbered citations to the Act in their rules on file with the Administrative Code Division, Index Department, Office of Secretary of State, by July 1, 1993.
- 5) Pursuant to Section 5-155 of the Illinois Administrative Procedure Act, the following changes in the above named rules are made:

Section/ Subsection No.	IAPA Citation Conversions:	
	Existing Cite	New Cite
Authority Note:	Sec. 7.01	Sec. 5-85
	Sec. 7.09	Sec. 5-135
	Par 1007.09	Par. 1005-135
	Par. 1001	Par. 1001-1
	Sec. 3.01	Sec. 1-20
245.100:	Sec. 7.02(a)	Sec. 5-90(a)
	Sec. 7.01(b)	Sec. 5-85(b)
	Sec. 6.01	Sec. 5-70
	Sec. 9	Sec. 5-150
	Par. 1003.09	Par. 1001-70
	Sec. 5	Sec. 5-35
245.110:	Sec. 7.01(b)	Sec. 5-85(b)
245.120:	Sec. 7.01(b)	Sec. 5-85(b)
245.130:	Sec. 7.01(b)	Sec. 5-85(b)
245.140:	Sec. 7.01(b)	Sec. 5-85(b)
245.Exhibit A:	Sec. 7.01(b)	Sec. 5-85(b)
245.Exhibit B:	Sec. 7.01(b)	Sec. 5-85(b)

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P.A. 87-823

These changes have been made to the rules on file with the Administrative Code Division of the Index Department, Office of the Secretary of State. These changes do not affect the validity of the rules nor the date on which they became effective.

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P.A. 87-823

- 1) Heading of the Part: Five-Year Evaluation of all Existing Rules
- 2) Code Citation: 1 Ill Adm Code 250
- 3) Sections: Authority Note; 250.100; 250.1200; 250.1200; 250.1600; 250.1800
- 4) The Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1001 et seq.) [5 ILCS 100/1-1 et seq.] amended pursuant to P.A. 87-823, effective July 1, 1992, requires each Agency to integrate all renumbered citations to the Act in their rules on file with the Administrative Code Division, Index Department, Office of Secretary of State, by July 1, 1993.
- 5) Pursuant to Section 5-155 of the Illinois Administrative Procedure Act, the following changes in the above named rules are made:

Section/ Subsection No.	IAPA Citation Conversions:	
	Existing Cite	New Cite
Authority Note:	Sec. 7.08	Sec. 5-130
	Sec. 7.09	Sec. 5-135
	Par. 1007.08	Par. 1005-130
	Par. 1007.09	Par. 1005-135
250.100:	Sec. 7.08	Sec. 5-130
250.1200:	Sec. 7.02(c)	Sec. 5-90(c)
250.1600:	Sec. 7.02(c)	Sec. 5-90(c)
250.1800:	Sec. 7.07	Sec. 5-120

These changes have been made to the rules on file with the Administrative Code Division of the Index Department, Office of the Secretary of State. These changes do not affect the validity of the rules nor the date on which they became effective.

11/1/92

ILLINOIS REGISTER

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P.A. 87-823

- 1) Heading of the Part: General Policies
- 2) Code Citation: 1 Ill Adm Code 210
- 3) Sections: Authority Note; 210.100; 210.200; 210.400; 210.450; 210.500
- 4) The Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1001 et seq.) [5 ILCS 100/1-1 et seq.] amended pursuant to P.A. 87-823, effective July 1, 1992, requires each Agency to integrate all renumbered citations to the Act in their rules on file with the Administrative Code Division, Index Department, Office of Secretary of State, by July 1, 1993.
- 5) Pursuant to Section 5-155 of the Illinois Administrative Procedure Act, the following changes in the above named rules are made:

Section/ Subsection No.	IAPA Citation Existing Cite	New Cite
Authority Note:	Sec. 5.01 - 5.03	Sec. 5-40 - 5-50
	Sec. 7.02 - 7.10	Sec. 5-90 - 5-140
	Sec. 7.09	Sec. 5-135
	Pars. 1005.01 - 1005.03	Pars. 1005-40 - 1005-50
	Pars. 1007.02 - 1007.10	Pars. 1005-90 - 1005-140
	Par. 1007.09	Par. 1005-135
	Par. 1001 et seq.	Par. 1001-1 et seq.
	Sec. 3.01	Sec. 1-20
	Sec. 7	Sec. 5-80
	Sec. 6.01	Sec. 5-70
210.100:	Sec. 7.02(a)	Sec. 5-90(a)
	Sec. 9	Sec. 5-150
	Sec. 3.09	Sec. 1-70
	Sec. 5	Sec. 5-35
	Par. 1007.04	Par. 1005-100
210.200:		
210.400:	Sec. 7.01(n)	Sec. 5-65(n)
	Sec. 7(d)	Sec. 5-80(c)
	Sec. 7(a)	Sec. 5-80(n)
210.450:	Par. 1007.02	Par. 1005-90

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JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P.A. 87-823

Section/ Subsection No.	IAPA Citation Existing Cite	New Cite
210.500:	Sec. 7.03(b)	Sec. 5-95(b)

These changes have been made to the rules on file with the Administrative Code Division of the Index Department, Office of the Secretary of State. These changes do not affect the validity of the rules nor the date on which they became effective.

JOINT COMMITTEE ON ADMINISTRATIVE RULES

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P.A. 87-823

NOTICE PURSUANT TO P.A. 87-823

- 1) Heading of the Part: Review of Emergency Rulemaking
- 2) Code Citation: 1 Ill Adm Code 230
- 3) Sections: Authority Note; 230.100; 230.200; 230.400; 230.550; 230.600; 230.700; 230.800; 230.1000; 230.Exhibit A; 230.Exhibit B; 230.Exhibit C; 230.Exhibit F
- 4) The Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1001 et seq.) [5 ILCS 100/1-1 et seq.] amended pursuant to P.A. 87-823, effective July 1, 1992, requires each Agency to integrate all renumbered citations to the Act in their rules on file with the Administrative Code Division, Index Department, Office of Secretary of State, by July 1, 1993.
- 5) Pursuant to Section 5-155 of the Illinois Administrative Procedure Act, the following changes in the above named rules are made:

Section/ Subsection No.	IAPA Citation Conversions:	
	Existing Cite	New Cite
230.700:	Par. 1007.04	Par. 1005-100
230.800:	Sec. 7.07	Sec. 5-120
	Sec. 5.01	Sec. 5-40
	Sec. 5.02	Sec. 5-45
	Sec. 7.07(g)	Sec. 5-120(g)
230.1000:	Sec. 7.07	Sec. 5-120
	Par. 1007.07	Par. 1005-120
230.Exhibit A:	Sec. 7.04	Sec. 5-100
	Sec. 7.07	Sec. 5-120
230.Exhibit B:	Sec. 7.04	Sec. 5-100
	Sec. 7.07	Sec. 5-120
230.Exhibit C:	Sec. 7.07a	Sec. 5-125
230.Exhibit F:	Sec. 7.06a	Sec. 5-115

These changes have been made to the rules on file with the Administrative Code Division of the Index Department, Office of the Secretary of State. These changes do not affect the validity of the rules nor the date on which they became effective.

Section/ Subsection No.	IAPA Citation Conversions:	
	Existing Cite	New Cite
230.100:	Sec. 5.02	Sec. 5-45
	Sec. 7.07	Sec. 5-120
	Par. 1005.02	Par. 1005-45
	Par. 1007.07	Par. 1005-120
	Par. 1007.09	Par. 1005-135
230.100:	Sec. 5.02	Sec. 5-45
	Sec. 5.01	Sec. 5-40
	Par. 1005.01	Par. 1005-40
	Sec. 7.07	Sec. 5-120
	Sec. 5.02	Sec. 5-45
230.200:	Sec. 5.02	Sec. 5-45
230.400:	Sec. 5.01	Sec. 5-40
	Sec. 5.02	Sec. 5-45
230.550:	Sec. 7.07a	Sec. 5-125
230.600:	Sec. 7.07	Sec. 5-120
	Sec. 7.07a	Sec. 5-125
	Par. 1007.07a(b)	Par. 1005-125(b)
	Par. 1007.07a(c)	Par. 1005-125(c)

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NOTICE PURSUANT TO P.A. 87-823

- 1) Heading of the Part: Review of Peremptory Rulemaking
- 2) Code Citation: 1 Ill Adm Code 240
- 3) Sections: Authority Note; 240.100; 240.200; 240.500; 240.650; 240.700; 240.800; 240.900; 240.1100;
- 4) The Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1001 et seq.) [5 ILCS 100/1-1 et seq.] amended pursuant to P.A. 87-823, effective July 1, 1992, requires each Agency to integrate all renumbered citations to the Act in their rules on file with the Administrative Code Division, Index Department, Office of Secretary of State, by July 1, 1993.
- 5) Pursuant to Section 5-155 of the Illinois Administrative Procedure Act, the following changes in the above named rules are made:

Section/ Subsection No.	IAPA Citation Conversions:	
	Existing Cite	New Cite
Authority Note:	Sec. 2	Sec. 1-5
	Sec. 5.03	Sec. 5-50
	Sec. 7.04	Sec. 5-100
	Sec. 7.07	Sec. 5-120
	Sec. 7.09	Sec. 5-135
	Par. 1005.03	Par. 1005-50
	Par. 1007.04	Par. 1005-100
	Par. 1007.07	Par. 1005-120
	Par. 1007.09	Par. 1005-135
	Par. 1001	Par. 1001-1
240.100;	Sec. 5.03	Sec. 5-50
	Sec. 7.07	Sec. 5-120
	Sec. 5.03	Sec. 5-50
240.200;	Sec. 5.01	Sec. 5-40
	Sec. 5.03	Sec. 5-50
240.500;	Sec. 5.01	Sec. 5-40
240.650;	Sec. 7.07a	Sec. 5-125
240.700;	Sec. 7.07	Sec. 5-120

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Section/ Subsection No.	IAPA Citation Conversions:	
	Existing Cite	New Cite
	Sec. 7.07a	Sec. 5-125
	Par. 1007.07a(b)	Par. 1005-125(b)
	Par. 1007.07a(c)	Par. 1005-125(c)
240.800;	Par. 1007.04	Par. 1005-100
240.900;	Sec. 7.07	Sec. 5-120
	Sec. 5.01	Sec. 5-40
	Sec. 7.07(g)	Sec. 5-120(g)
240.1100;	Sec. 7.07	Sec. 5-120

These changes have been made to the rules on file with the Administrative Code Division of the Index Department, Office of the Secretary of State. These changes do not affect the validity of the rules nor the date on which they became effective.

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P.A. 87-823

- 1) Heading of the Part: Review of Proposed Rulemaking
- 2) Code Citation: 1 Ill Adm Code 220
- 3) Sections: Authority Note; 220.100; 220.150; 220.200; 220.250; 220.275; 220.285; 220.300; 220.450; 220.500 220.600; 220.760; 220.780; 220.900; 220.950; 220.1000; 220.1100; 220.1150; 220.1200; 220.1300; 220.Exhibit E; 220.Exhibit F; 220.Exhibit G
- 4) The Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1001 et seq.) [5 ILCS 100/1-1 et seq.] amended pursuant to P.A. 87-823, effective July 1, 1992, requires each Agency to integrate all renumbered citations to the Act in their rules on file with the Administrative Code Division, Index Department, Office of Secretary of State, by July 1, 1993.
- 5) Pursuant to Section 5-155 of the Illinois Administrative Procedure Act, the following changes in the above named rules are made:

Section/ Subsection No.	Existing Cite	IAPA Citation Conversions: New Cite
Authority Note:		
	Sec. 4.03	Sec. 5-30
	Sec. 5.01	Sec. 5-40
	Sec. 7.06	Sec. 5-110
	Sec. 7.06a	Sec. 5-115
	Sec. 7.09	Sec. 5-135
	Par. 1004.03	Par. 1005-30
	Par. 1005.01	Par. 1005-40
	Par. 1007.06	Par. 1005-100
	Par. 1007.06a	Par. 1005-115
	Par. 1007.09	Par. 1005-135
220.100:	Sec. 5.01(b)	Sec. 5-40(c)
	Par. 1005.01(b)	Par. 1005-40(c)
	Sec. 5.01(a)	Sec. 5-40(b)
	Par. 1003.10	Par. 1001-75
220.150:	Sec. 5.01	Sec. 5-40
220.200:	Sec. 5.01(b)	Sec. 5-40(c)

JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P.A. 87-823

Section/ Subsection No.	IAPA Citation Conversions: Existing Cite	New Cite
220.250:	Sec. 5.01(a)	Sec. 5-40(b)
220.275:	Par. 1004(d)	Par. 1005-10(d)
220.285:	Sec. 4.03(a)	Sec. 5-30(a)
	Sec. 4.03(b)	Sec. 5-30(b)
220.300:	Sec. 5.01(b)	Sec. 5-40(c)
220.450:	Sec. 4.03(c) (1-4)	Sec. 5-30(c) (1-4)
220.500:	Sec. 5.01(b)	Sec. 5-40(c)
220.600:	Sec. 7(c)	Sec. 5-80(b)
	Sec. 6.02(b)	Sec. 5-75
	Par. 1005.01(b)	Par. 1005-40(c)
	Sec. 4.03	Sec. 5-30
	Sec. 7.04(5)(b)	Sec. 5-100(e) (2)
	Sec. 7.04(5)(d)	Sec. 5-100(e) (4)
	Sec. 7.04(5)	Sec. 5-100(e)
	Par. 1005.01(b)	Par. 1005-40(c)
220.760:	Sec. 6.02(a)	Sec. 5-75(a)
220.780:	Sec. 5.01	Sec. 5-40
	Sec. 6.02(b)	Sec. 5-75
	Sec. 5.01(b)	Sec. 5-40(c)
220.900:	Sec. 5.01	Sec. 5-40
	Sec. 4.03	Sec. 5-30
220.950:	Sec. 7.06(a)	Sec. 5-115
220.1000:	Sec. 7.06	Sec. 5-110
	Sec. 7.06a	Sec. 5-115
	Par. 1007.06a(b)	Par. 1005-115(b)
220.1100:	Sec. 6	Sec. 5-65
	Sec. 5.01(d)	Sec. 5-40(e)
220.1150:	Par. 1007.04	Par. 1005-100
220.1200:	Sec. 7.06	Sec. 5-110

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JOINT COMMITTEE ON ADMINISTRATIVE RULES

NOTICE PURSUANT TO P.A. 87-823

Section/ Subsection No.	IAPA Citation Conversions:	
	Existing Cite	New Cite
220.1300:	Sec. 7.06(f)	Sec. 5-110(f)
	Sec. 7.06	Sec. 5-110
	Par. 1007.06	Par. 1005-110
220.Exhibit E:	Sec. 7.04	Sec. 5-100
	Sec. 7.06	Sec. 5-110
220.Exhibit F:	Sec. 7.06a	Sec. 5-115
220.Exhibit G:	Sec. 7.06a	Sec. 5-115

These changes have been made to the rules on file with the Administrative Code Division of the Index Department, Office of the Secretary of State. These changes do not affect the validity of the rules nor the date on which they became effective.

PROCLAMATION

93-082

LA PETITE DELTA DAY

Whereas, Delta Sigma Theta Sorority, Inc., a public service organization, was founded at Howard University in 1913; and
Whereas, the sorority founders envisioned an organization of collegiate women pledged to philanthropic endeavors and community service, and their ideals of service and commitment to scholarship have withstood the test of time; and

Whereas, since its inception in January 1976, the Springfield-Decatur Area Alumnae Chapter of Delta Sigma Theta Sorority, Inc. has been committed to fostering high ideals in areas such as education, economic development, social action, and mental health; and

Whereas, since 1981, the "La Petite Delta" program has provided educational and cultural enrichment activities for young ladies in the Springfield and Decatur area who are in the 8th grade. The program offers a series of workshops, field trips, and educational activities over a five-year period to help participants develop into positive role models for our communities; and

Whereas, the La Petite Delta gala will be held March 6, 1993, marking the program's 11th anniversary;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 6, 1993, as LA PETITE DELTA DAY in Illinois. I extend best wishes to the program participants and the members of the Springfield-Decatur Area Alumnae Chapter of Delta Sigma Theta Sorority.

Issued by the Governor March 5, 1993.

Filed with the Secretary of State March 25, 1993.

93-083

MOTHER OF THE YEAR DAY

Whereas, in order to provide an appropriate occasion for honoring the Illinois State Mother of the Year, as well as all the other mothers in our state, we should observe May 9, 1993, as Mother of the Year Day in Illinois; and

Whereas, it is not within our power to provide an honor commensurate with the love and devotion that is inherent in motherhood, but it is entirely appropriate that we demonstrate, as best we can, the sincere appreciation we feel for the unselfish guidance and unfailing loyalty that only a mother can provide; and

Whereas, it is especially important at this time, when the sanctity of the home and stability of our society are so vital to the preservation of our free way of life, that we honor the Illinois Mother of the Year as the symbol of those women, who with great patience and understanding, shape our destiny; and

Whereas, the 1993 Illinois Mother of the Year is Clarabel S. Riddell of Sparland;
 Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 9, 1993, as MOTHER OF THE YEAR DAY in Illinois.
 Issued by the Governor March 10, 1993.
 Filed with the Secretary of State March 25, 1993.

93-084

DANUBE-SWABIAN SOCIETY OF CHICAGO
40TH ANNIVERSARY DAY

Whereas, the Danube-Swabian Society of Chicago, a German-American organization with more than 900 members, was founded March 20, 1953; and
 Whereas, the organization's primary objective has been to promote the German-American heritage and Danube-Swabian culture; and
 Whereas, singing, folk dancing, and theater plays are taught in the society's youth group and are passed along to second- and third-generation German-Americans; and
 Whereas, the Danube-Swabian Society also has an adult mixed chorus, a folk dance group, and a senior citizens group; and
 Whereas, for 40 years, the society has successfully kept the German culture and language alive among its members and fostered pride among its young people;
 Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 20, 1993, as DANUBE-SWABIAN SOCIETY OF CHICAGO 40TH ANNIVERSARY DAY in Illinois.
 Issued by the Governor March 11, 1993.
 Filed with the Secretary of State March 25, 1993.

93-085

DRINKING WATER WEEK

Whereas, an abundant supply of safe, high-quality water is as essential to the economic growth and productivity of our state as it is to our health, comfort, and standard of living; and
 Whereas, the American Water Works Association, which represents more than 45,000 members, wishes to focus public attention on the services and goals of the water supply industry through Drinking Water Week; and
 Whereas, through its dedication to advanced knowledge of design, operation, and management of water utilities, the association strives to continue providing better water for everyone--when and where they need it;
 Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 2-8, 1993, as DRINKING WATER WEEK in Illinois and encourage our citizens to broaden their understanding of the goals and services of the water utilities in our state.
 Issued by the Governor March 11, 1993.

Filed with the Secretary of State March 25, 1993.

93-086

ILLINOIS DAY FOR CHILDREN

Whereas, a study conducted by Voices for Illinois Children showed that in 1990, 11 out of every 1,000 children in our state died before their first birthdays; and
 Whereas, Voices for Illinois Children is committed to identifying ways for Illinois communities to provide prenatal care and other basic health services to low- and moderate-income families and children who do not have private or public health benefits; and
 Whereas, on March 11, 1993, Voices for Illinois Children and CIGNA Healthplans are cosponsoring "The Chicago Summit for Children" and "Health Care Reform: The Impact on Illinois Children" to address the health and future of our children. These panel discussions will involve business leaders, educators, healthcare providers, and legislators; and
 Whereas, we should strive to improve the quality of life for our children, who hold the key to the future of our state and nation;
 Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 11, 1993, as ILLINOIS DAY FOR CHILDREN and commend the efforts of the individuals and organizations dedicated to the well-being of our children.
 Issued by the Governor March 11, 1993.
 Filed with the Secretary of State March 25, 1993.

93-087

IRISH-AMERICAN HERITAGE MONTH
AND ST. PATRICK'S DAY

Whereas, by 1776, nearly 300,000 natives of Ireland had immigrated to the United States. At least eight signers of the Declaration of Independence were of Irish origin; and
 Whereas, the Irish and their descendants have helped enrich countless areas of life in the United States, including military and governmental service, science, education, art, agriculture, business, industry, and athletics; and
 Whereas, Irish-Americans such as Thomas O'Shaughnessy, Louis Sullivan, Walter Farrell, and Finley Peter Dunne have added to Illinois' culture; and
 Whereas, Irish-Americans have made significant contributions to our state's development. For example, Irish workmen helped build the Illinois-Michigan Canal; and
 Whereas, the largest Irish organizations in our state are Gaelic Park, Irish American Heritage Center, The Irish Fellowship Club, and the Young Irish Fellowship Club; and
 Whereas, the Irish community is honoring St. Patrick's Day

and Irish-American Heritage Month with a number of festivities, including a dinner, a traditional Irish Mass, and a parade. The theme for Chicago's St. Patrick's Day parade, the nation's second largest, is "Irish Patriots".

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 1993 as IRISH-AMERICAN HERITAGE MONTH and March 17, 1993, as ST. PATRICK'S DAY in Illinois and encourage citizens to recognize these observances by taking part in appropriate ceremonies and activities.

Issued by the Governor March 11, 1993.

Filed with the Secretary of State March 25, 1993.

93-088

LAKE AND WATERSHED MANAGEMENT MONTH

Whereas, Illinois' 3,000 lakes, 83,000 ponds, and their adjacent lands provide numerous recreational use opportunities such as fishing, hunting, boating, swimming, canoeing, sailing, picnicking, hiking, bird watching, and general aesthetic enjoyment; and

Whereas, more than 88 percent of the Illinois lakes assessed by the Illinois Environmental Protection Agency in 1992 exhibited impaired uses, primarily due to sedimentation, turbidity, excessive aquatic plant growth, degraded fisheries, and chemical contamination; and

Whereas, the quality and usability of Illinois lakes can most effectively be improved by implementation of comprehensive lake and watershed management strategies; and

Whereas, state soil conservation cost-share programs have enabled the competition of nearly 7,400 projects that have prevented 3 million tons of soil erosion from Illinois farmlands; and

Whereas, the State of Illinois enacted the Illinois Lake Management Program Act to foster development of enhanced educational and technical assistance, monitoring and research, and financial assistance programs targeted at comprehensive lake management;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim April 1993 as LAKE AND WATERSHED MANAGEMENT MONTH in Illinois to recognize the value of our water and soil resources, the need to protect and improve Illinois' lakes and ponds, and the excellent cooperation developed through Illinois' lake and watershed management programs.

Issued by the Governor March 11, 1993.

Filed with the Secretary of State March 25, 1993.

93-089

PROFESSIONAL SECURITY EDUCATION MONTH

Whereas, security practitioners are dedicated to protecting

the assets -- people, property, and information -- of private industry, government, and public institutions; and

Whereas, the efforts of these professionals have significantly reduced the losses caused by a wide range of crimes committed against banks, schools, hotels, hospitals, museums, retail outlets, and countless other organizations that employ their services; and

Whereas, these same security professionals have demonstrated outstanding services in preventing or minimizing losses to the community from such natural or man-made disasters as fires, riots, strikes, and other civil disorders; and

Whereas, the Midwest Security Conference has designated March 1993 as a time to honor and educate security professionals throughout the nation;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 1993 as PROFESSIONAL SECURITY EDUCATION MONTH in Illinois.

Issued by the Governor March 11, 1993.

Filed with the Secretary of State March 25, 1993.

93-090

STD AWARENESS MONTH

Whereas, each year, more than 12 million people in our nation, including many Illinois residents, contract sexually transmitted diseases (STDs); and

Whereas, STDs can result in devastating health problems, including death; and

Whereas, an educational campaign is being launched to increase public understanding about these diseases and their identification, treatment, and prevention;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim April 1993 as STD AWARENESS MONTH in Illinois.

Issued by the Governor March 11, 1993.

Filed with the Secretary of State March 25, 1993.

93-091

DOCTOR'S DAY

Whereas, Doctor's Day will be observed Tuesday, March 30, to symbolize the doctor-patient relationship and the standards of care that develop when doctor and patient work together as a team; and

Whereas, Doctor's Day is a day of commitment to the health and welfare of Illinois citizens. It celebrates medical advances, treatments, and improved quality of life for all Illinois citizens; and

Whereas, Doctor's Day was first celebrated in the State of Georgia to commemorate the birthday of Crawford W. Long, M.D., the first physician to use ether anesthesia; and

Whereas, in 1958, the Doctor's Day observance was adopted by the U.S. Congress and is celebrated throughout our nation each year on March 30; and

Whereas, the 11,000 physician-members of the Chicago Medical Society will celebrate Doctor's Day by making their patients aware of the importance of good health, using the slogan "Take Health to Heart;"

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 30, 1993, as DOCTOR'S DAY in Illinois.

Issued by the Governor March 12, 1993.

Filed with the Secretary of State March 25, 1993.

93-092

EYE DONOR AWARENESS MONTH

Whereas, more than 40,000 adults and children in the United States benefited from corneal transplant surgery in 1992; and

Whereas, donor eyes that are not used for corneal transplant surgery are used for valuable research on blinding eye disease; and

Whereas, thanks to awareness programs promoted by the Illinois Eye-Bank, the Chicago Ophthalmological Society Eye-Bank Committee, and Illinois hospitals, more donor tissue is available now than ever before;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 1993 as EYE DONOR AWARENESS MONTH in Illinois.

Issued by the Governor March 12, 1993.

Filed with the Secretary of State March 25, 1993.

93-093

TONY ROMANO DAY

Whereas, the Variety Club Children's Charities of Illinois, part of an international volunteer organization, has been dedicated to improving the lives of underprivileged, physically and mentally challenged, abused, and homeless children in Illinois since 1944; and

Whereas, Tony Romano, resident of Illinois since 1949, Variety Club member, and well-known photographer of celebrities, politicians, and socialites, will be honored for his dedication and service to Variety Club Children's Charities; and

Whereas, the proceeds of the fund raiser will benefit the Variety Club Children's Charities, its services, and programs;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 22, 1993, as TONY ROMANO DAY in Illinois in recognition of Mr. Romano's service to the state and to children's causes.

Issued by the Governor March 12, 1993.

Filed with the Secretary of State March 25, 1993.

93-094

TREE CITY USA MONTH

Whereas, the State of Illinois is rich in natural beauty and resources; and

Whereas, all citizens should strive to preserve healthy forest resources and a natural ecological balance within the environment through responsible stewardship of the air, water, and land of Illinois; and

Whereas, 100 Illinois communities have qualified as Tree City USA Communities and have made significant contributions toward enhancing the quality of life by improving the forest resources of Illinois; and

Whereas, 37 of the Illinois Tree City USA communities have achieved recognition for having innovative community tree programs and have received a new "GROWTH AWARD" from the National Arbor Day Foundation; and

Whereas, 46 municipalities received Urban Forestry Assistance Grants to establish and/or augment existing community forestry efforts, thus providing their citizens with improved urban green spaces;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim April 1993 as TREE CITY USA MONTH in Illinois and ask all citizens to work together to preserve the natural beauty of our state this month and throughout the year.

Issued by the Governor March 12, 1993.

Filed with the Secretary of State March 25, 1993.

93-095

AMERICAN POW RECOGNITION DAY

Whereas, many loyal and brave Americans who served in the wars of this nation were captured by the enemy or listed as missing in action; and

Whereas, American prisoners of war have often suffered unconscionable treatment despite international codes forbidding such conduct, and many have died as a result of cruel and inhuman acts by their enemy captors; and

Whereas, it is fitting that we recognize the sacrifices of American prisoners of war and those missing in action;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim April 9, 1993, as AMERICAN POW RECOGNITION DAY in Illinois and call upon citizens to observe the day with appropriate ceremonies and programs so that the memory of those brave Americans will not be forgotten.

Issued by the Governor March 15, 1993.

Filed with the Secretary of State March 25, 1993.

93-096

INTERNATIONAL WEEK

Whereas, the International Student Council at Southern Illinois University at Carbondale is celebrating its 19th anniversary of cultural, social, and educational contributions to the community; and

Whereas, SIUC has student representation from 115 countries and ranks 11th in the nation in foreign enrollment; and

Whereas, the International Student Council is sponsoring International Festival '93 from February 8-14 to offer cultural exhibitions and activities;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim the week of February 8-14, 1993, as INTERNATIONAL WEEK in Illinois.

Issued by the Governor March 15, 1993.

Filed with the Secretary of State March 25, 1993.

93-097

POLICE-COMMUNITY PARTNERSHIP WEEK

Whereas, there is a growing awareness of the effectiveness of policies that encourage law enforcement officers and community residents to work as partners to fight crime and protect public safety; and

Whereas, recent incidents have created friction and misunderstanding between community residents and law enforcement officers and have discouraged cooperation rather than fostering it; and

Whereas, neighborhoods can be more effectively policed if private citizens work as partners with law enforcement officials by reporting crimes, observing and reporting suspicious activity, supervising youths, and acting as volunteer eyes and ears for police; and

Whereas, police departments garner greater trust and respect when citizens participate in overseeing police activity and involve themselves in disciplinary proceedings stemming from complaints about police officers;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 1-7, 1993, as POLICE-COMMUNITY PARTNERSHIP WEEK in Illinois, a time for community leaders and law enforcement to work together to build trust, friendship, mutual accountability, and teamwork.

Issued by the Governor March 15, 1993.

Filed with the Secretary of State March 25, 1993.

93-098

SENIOR 100 HONORARY DAY

Whereas, 1993 marks the 43rd anniversary of the Senior 100

Honorary at the Urbana-Champaign campus of the University of Illinois; and

Whereas, since 1980, the Student Alumni Association, in cooperation with the Illinois Alumni Association, has sponsored Senior 100 Honorary; and

Whereas, a diverse panel of student and faculty judges has chosen this year's outstanding activity leaders from among members of the university's senior class; and

Whereas, this year's honorees will join a select group of more than 4,300 students who have received this award since the program began in 1949;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 21, 1993, as SENIOR 100 HONORARY DAY in Illinois, and I join with the University of Illinois in congratulating these outstanding students.

Issued by the Governor March 15, 1993.

Filed with the Secretary of State March 25, 1993.

93-099

CONTEMPORARY CHRISTIAN MUSIC MONTH

Whereas, the recently formed Illinois Association of Christian Musicians, Artists and Athletes aims to promote prevention of alcohol and drug abuse and AIDS; and

Whereas, the organization is planning a number of events, including a national conference and a 1996 March of Christian Musicians, Artists and Athletes for the Olympics; and

Whereas, the organization is celebrating April 1993 as Contemporary Christian Music Month;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim April 1993 as CONTEMPORARY CHRISTIAN MUSIC MONTH in Illinois.

Issued by the Governor March 17, 1993.

Filed with the Secretary of State March 25, 1993.

93-100

EMERGENCY MEDICAL SERVICES WEEK

Whereas, Illinois recognizes the contributions that trauma centers, emergency medical services (EMS) resource hospitals, ambulance services, emergency physicians, emergency nurses, emergency medical technicians (EMTs), EMT-paramedics, EMT-intermediates, field RNs, mobile intensive care nurses, trauma nurse specialists, emergency dispatchers, and first responders have made through their selfless dedication to improving medical services for Illinoisans; and

Whereas, this year's national theme of "We're Ready...Are You?" typifies the need to broaden the emergency medical services network to include the public in prevention initiatives to reduce injuries and to minimize mortality and morbidity from trauma; and

Whereas, the public should be encouraged to learn emergency life-saving techniques and how to contact an ambulance appropriately;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 23-29, 1993, as EMERGENCY MEDICAL SERVICES WEEK in Illinois and commend all individuals involved in emergency medical services.

Issued by the Governor March 17, 1993.

Filed with the Secretary of State March 25, 1993.

93-101

ILLINOIS COMMUNITY COLLEGE MONTH

Whereas, the 40 public community college districts in our state provide occupational, baccalaureate, and continuing education courses for more than one million Illinois citizens every year; and

Whereas, community colleges serve more than half of all students in public higher education; and

Whereas, community college students benefit from high-quality, reasonably priced education within commuting distance of their homes; and

Whereas, students entering the working world after attending a community college are more likely to remain in their home communities, benefiting the local economy and putting community colleges at the forefront of local development efforts in retraining dislocated workers and in establishing new business ventures; and

Whereas, Illinois community colleges are becoming known as local educational institutions "Where Learning Never Ends";

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim April 1993 as ILLINOIS COMMUNITY COLLEGE MONTH in Illinois in honor of the 28th anniversary of our state's community college system.

Issued by the Governor March 17, 1993.

Filed with the Secretary of State March 25, 1993.

93-102

PROFESSIONAL SOCIAL WORKERS MONTH

Whereas, professional social workers labor on the front lines to help families and individuals develop skills that will enable them to lead productive, satisfying lives; and

Whereas, professional social workers see firsthand the challenges families and individuals face as they strive to meet their responsibilities; and

Whereas, professional social workers recognize that access to affordable, quality health care is a right and necessity upon which productivity depends; and

Whereas, the social work profession, rooted in efforts to

meet human needs, is working to assure basic health care for all; and

Whereas, professional social workers should be recognized for their assistance in providing families and individuals opportunities for a life of accomplishment, dignity, and purpose;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim March 1993 as PROFESSIONAL SOCIAL WORKERS MONTH in Illinois and call upon members of the community to join with the social work profession in support of appropriate programs, ceremonies, and activities designed to achieve its goals.

Issued by the Governor March 17, 1993.

Filed with the Secretary of State March 30, 1993.

93-103

VOLUNTEER WEEK

Whereas, our nation was built upon a spirit of volunteerism, and the talents and energies of American volunteers continue to be one of our greatest resources; and

Whereas, America cannot depend on government alone to solve all of its societal problems; and

Whereas, volunteerism is increasingly recognized as an important partner with government and industry in doing the work of the nation; and

Whereas, the active involvement of citizens in Illinois is needed today more than ever to combat growing human and social problems, to renew our belief that these problems can be solved, and to strengthen our sense of community; and

Whereas, volunteering offers all citizens -- young and old -- the opportunity to participate in the life of their community and lend their talents and resources to address some of the major issues facing our state; and

Whereas, it is fitting for all citizens to join in this celebration of our rich volunteer heritage and give special recognition to the dedicated volunteers and volunteer programs that contribute immeasurably to communities throughout Illinois;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim April 18-24, 1993, as VOLUNTEER WEEK in Illinois.

Issued by the Governor March 17, 1993.

Filed with the Secretary of State March 25, 1993.

ACTION CODES	
A - Adopted Rule	P - Proposed Rule
AR - Adopted Repealer	PF - Prohibited Filing Order by JCAR*
C - Notice of Corrections	PP - Peremptory or Court Ordered Rules
CC - Codification Changes	PR - Proposed Repealer
E - Emergency Rule	R - Refusal to meet JCAR Objection
ER - Emergency Repealer	RC - Statement of Recommendation
M - Modification to meet JCAR objections	S - Suspension ordered by JCAR
O - JCAR Statement of Objections	W - Withdrawal to meet JCAR Objections
RQ - Request for Correction	
EC - Expedited Corrections	

*Joint Committee on Administrative Rules

ALL RULES ARE LISTED BY PART NUMBER AND HEADING ONLY. (FOR ACTION ON SPECIFIC SECTIONS, PLEASE REFER TO THE SECTIONS AFFECTED INDEX.) IF THERE ARE ANY QUESTIONS, PLEASE CONTACT THE ADMINISTRATIVE CODE DIVISION AT (217) 782-9786.

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89 III. Adm. Code 378 Multiple Licensure (PR-7561/92; AR-272)

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TYPE OF RULEMAKING ACTION CODES

am	=	amendment to existing Section	A	=	Adopted rule	PF	=	Prohibited filing
cc	=	codification changes	C	=	Correction	S	=	Suspension
n	=	new Section	P	=	Proposed Rule	O	=	JCAR Objection
r	=	repeal of existing Section	E	=	Emergency rule	R	=	Refusal to Modify
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#	=	renumbered	M	=	Modification		=	Objections Objection
			W	=	Withdrawal	RC	=	Recommendation
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Figure 1

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Volume 17, Issue #15	SECTIONS AFFECTED INDEX	April 9, 1993	Volume 17, Issue #15	SECTIONS AFFECTED INDEX	April 9, 1993
TITLE 14 (CONT'D)			TITLE 17 (CONT'D)		
150.435 am	(P-4167)	650.30 am	830.80 am	(P-17405/92; A-3177)	2730.5 am
150.470 am	(P-4167)	650.40 am	830.90 am	(P-17405/92; A-3177)	2730.10 am
150.510 am	(P-4167)	650.50 am	1050.20 am	(P-4608)	2731.10 am
150.520 am	(P-4167)	650.60 am	4180.120 am	(P-13718/92; A-1521)	2731.20 am
150.620 am	(P-4167)	650.65 n			2732.10 am
150.621 am	(P-4167)	660.20 am	TITLE 20		2732.20 am
150.700 am	(P-4167)	660.30 am	440.10 r	(P-16371/92; A-1519)	2733.10 am
150.705 am	(P-4167)	660.40 am	440.20 r	(P-16371/92; A-1519)	2733.20 am
150.710 am	(P-4167)	660.45 am	525.140 am	(PP-1666)	2733.30 am
150.720 am	(P-4167)	660.50 am			2735.10 am
170.20 am	(P-13784/92; A-427)	660.60 am	TITLE 23		2735.20 am
520.920 am	(P-13691/92; A-1837)	670.10 am	1.736 n	(P-8684/92; A-18010/92; EC-3553)	2735.30 am
520.930 am	(P-13691/92; A-1837)		228.15 n	(P-9253/92; A-104)	2735.40 am
520.1020 am	(P-13691/92; A-1837)	670.20 am	228.20 am	(P-9253/92; A-104)	2735.50 am
520.1030 am	(P-13691/92; A-1837)	670.30 am	228.25 n	(P-9253/92; A-104)	2735.60 am
1230.100 n	(P-9222/92; A-1859)	670.40 am	228.30 am	(P-9253/92; A-104)	2735.70 am
1230.110 n	(P-9222/92; A-1859)	670.50 am	228.50 am	(P-9253/92; A-104)	2735.80 am
1230.200 n	(P-9222/92; A-1859)	670.60 am	1501.518 n	(P-12274/92; A-1853)	2735.100 am
1230.210 n	(P-9222/92; A-1859)		2310.80 am	(P-1691)	2760.5 am
1230.300 n	(P-9222/92; A-1859)	690.30 am	2700.20 am	(P-1385)	2760.10 am
1230.310 n	(P-9222/92; A-1859)	710.10 am	2700.30 am	(P-1385)	2760.30 am
1230.400 n	(P-9222/92; A-1859)	710.20 am	2700.40 am	(P-1385)	2760.40 am
1230.500 n	(P-9222/92; A-1859)	710.30 am	2700.50 am	(P-1385)	2761.10 am
1230.510 n	(P-9222/92; A-1859)	710.50 am	2700.55 am	(P-1385)	2761.20 am
1230.520 n	(P-9222/92; A-1859)	715.10 am	2700.60 am	(P-1385)	2761.30 am
1230.530 n	(P-9222/92; A-1859)	715.20 am	2700.70 am	(P-1385)	2762.10 am
1230.540 n	(P-9222/92; A-1859)	715.21 n	2720.5 am	(P-1403)	2762.20 am
		715.40 am	2720.6 am	(P-1403)	2762.30 am
		720.10 am	2720.10 am	(P-1403)	2762.40 am
TITLE 17			2720.20 am	(P-1403)	2762.10 am
510.10 am	(P-4601)	720.20 am	2720.25 am	(P-1403)	2763.20 am
550.10 am	(P-4622)	720.40 am	2720.30 am	(P-1403)	2763.30 am
550.20 am	(P-4622)		2720.40 am	(P-1403)	2763.40 am
550.30 am	(P-4622)		2720.41 am	(P-1403)	2763.50 am
570.20 am	(P-4611)	730.10 am	2720.42 am	(P-1403)	2770.20 am
570.30 am	(P-4611)	730.20 am	2720.50 am	(P-1403)	2770.30 am
570.40 am	(P-4611)	730.30 am	2720.55 am	(P-1403)	2770.10 am
590.10 am	(E-1658) (P-4554)	740.10 am	2720.60 am	(P-1403)	2770.20 am
590.20 am	(P-4554)	740.20 am	2720.70 am	(P-1403)	2770.30 am
590.25 am	(P-4554)	810.20 am	2720.80 am	(P-1403)	2770.40 am
590.26 am	(P-4554)	810.35 am	2720.105 am	(P-1403)	2770.50 am
590.30 am	(P-4554)	810.37 am	2720.120 am	(P-1403)	2770.60 am
590.40 am	(P-4554)	810.45 am	2720.130 am	(P-1403)	2770.70 am
590.50 am	(P-4554)		2720.200 am	(P-1403)	2770.80 am
590.60 am	(P-4554)	810.60 am	2720.210 am	(P-1403)	2770.90 am
590.70 am	(P-4554)	810.70 am	2720.210 am	(P-1403)	2770.100 am
650.20 am	(P-4718)	830.10 am	2720.210 am	(P-1403)	2770.110 am
650.21 am	(P-4718)	830.20 am	2720.210 am	(P-1403)	2770.120 am
650.22 am	(P-4718)	830.40 am	2720.210 am	(P-1403)	2770.130 am

TITLE 23 (CONT'D)

3040.220	am	(P-958)	340.960	n	(P-4070)
3040.230	am	(P-958)	340.1000	r	(P-3997)
3040.240	am	(P-958)	340.1010	r	(P-3997)
3040.250	am	(P-958)	340.1010	n	(P-4070)
3040.260	am	(P-958)	340.1020	n	(P-4070)
			340.1020	n	(P-3997)
			340.1030	r	(P-4070)
			340.1030	n	(P-4070)
			340.1040	r	(P-3997)
			340.1040	n	(P-4070)
			340.1050	r	(P-3997)
			340.1050	n	(P-4070)
			340.1052	n	(P-4070)
			340.1055	n	(P-4070)
			340.1057	n	(P-4070)
			340.1060	r	(P-3997)
			340.1060	r	(P-4070)
			340.1070	r	(P-3997)
			340.1070	n	(P-4070)
			340.1110	n	(P-4070)
			340.1120	n	(P-4070)
			340.1130	n	(P-4070)
			340.1135	n	(P-4070)
			340.1140	n	(P-4070)
			340.1150	n	(P-4070)
			340.1160	n	(P-4070)
			340.1170	n	(P-4070)
			340.1180	n	(P-4070)
			340.1190	n	(P-4070)
			340.1195	n	(P-4070)
			340.1210	n	(P-4070)
			340.1220	n	(P-4070)
			340.1230	n	(P-4070)
			340.1240	n	(P-4070)
			340.1250	n	(P-4070)
			340.1270	n	(P-4070)
			340.1310	n	(P-4070)
			340.1320	n	(P-4070)
			340.1320	n	(P-4070)
			340.1330	n	(P-4070)
			340.1350	n	(P-4070)
			340.1370	n	(P-4070)
			340.1370	n	(P-4070)
			340.1390	n	(P-4070)
			340.1410	n	(P-4070)
			340.1430	n	(P-4070)
			340.1450	n	(P-3997)
			340.2020	r	(P-3997)
			340.2030	r	(P-3997)
			340.2040	r	(P-3997)
			340.2050	r	(P-3997)
			340.2060	r	(P-3997)
			340.2070	r	(P-3997)
			340.3010	r	(P-3997)
			340.3020	r	(P-3997)

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TITLE 32 (CONT'D)

340.3030	r	(P-3997)	211.630	n	(P-4782)
340.3040	r	(P-3997)	211.650	n	(P-4782)
340.3050	r	(P-3997)	211.670	n	(P-4782)
340.3060	r	(P-3997)	211.690	n	(P-4782)
340.3070	r	(P-3997)	211.710	n	(P-4782)
340.3080	r	(P-3997)	211.730	n	(P-4782)
340.3090	r	(P-3997)	211.750	n	(P-4782)
340.3110	r	(P-3997)	211.770	n	(P-4782)
340.4010	r	(P-3997)	211.790	n	(P-4782)
340.4020	r	(P-3997)	211.810	n	(P-4782)
340.4030	r	(P-3997)	211.830	n	(P-4782)
340.4050	r	(P-3997)	211.850	n	(P-4782)
340.4070	r	(P-3997)	211.870	n	(P-4782)
340.4080	r	(P-3997)	211.890	n	(P-4782)
340.4090	r	(P-3997)	211.910	n	(P-4782)
340.4p.A	r	(P-3997)	211.930	n	(P-4782)
340.4p.B	r	(P-3997)	211.950	n	(P-4782)
340.4p.C	r	(P-3997)	211.970	n	(P-4782)
340.4p.C	r	(P-3997)	211.990	n	(P-4782)
340.4p.C	r	(P-3997)	211.1010	n	(P-4782)
340.4p.C	r	(P-3997)	211.1050	n	(P-4782)
340.4p.C	r	(P-3997)	211.1090	n	(P-4782)
340.4p.C	r	(P-3997)	211.1110	n	(P-4782)
340.4p.C	r	(P-3997)	211.1130	n	(P-4782)
340.4p.C	r	(P-3997)	211.1150	n	(P-4782)
340.4p.C	r	(P-3997)	211.1170	n	(P-4782)
340.4p.C	r	(P-3997)	211.1190	n	(P-4782)
340.4p.C	r	(P-3997)	211.1210	n	(P-4782)
340.4p.C	r	(P-3997)	211.1230	n	(P-4782)
340.4p.C	r	(P-3997)	211.1250	n	(P-4782)
340.4p.C	r	(P-3997)	211.1270	n	(P-4782)
340.4p.C	r	(P-3997)	211.1290	n	(P-4782)
340.4p.C	r	(P-3997)	211.1310	n	(P-4782)
340.4p.C	r	(P-3997)	211.1330	n	(P-4782)
340.4p.C	r	(P-3997)	211.1350	n	(P-4782)
340.4p.C	r	(P-3997)	211.1370	n	(P-4782)
340.4p.C	r	(P-3997)	211.1390	n	(P-4782)
340.4p.C	r	(P-3997)	211.1410	n	(P-4782)
340.4p.C	r	(P-3997)	211.1430	n	(P-4782)
340.4p.C	r	(P-3997)	211.1470	n	(P-4782)
340.4p.C	r	(P-3997)	211.1490	n	(P-4782)
340.4p.C	r	(P-3997)	211.1510	n	(P-4782)
340.4p.C	r	(P-3997)	211.1530	n	(P-4782)
340.4p.C	r	(P-3997)	211.1550	n	(P-4782)
340.4p.C	r	(P-3997)	211.1570	n	(P-4782)
340.4p.C	r	(P-3997)	211.1590	n	(P-4782)
340.4p.C	r	(P-3997)	211.1610	n	(P-4782)
340.4p.C	r	(P-3997)	211.1630	n	(P-4782)
340.4p.C	r	(P-3997)	211.1650	n	(P-4782)

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TITLE 35

203.145	r	(P-4898)
211.102	am	(P-4782)
211.121	am	(P-4782)
211.122	r	(P-4782)
211.130	n	(P-4782)
211.150	n	(P-4782)
211.170	n	(P-4782)
211.210	n	(P-4782)
211.230	n	(P-4782)
211.250	n	(P-4782)
211.290	n	(P-4782)
211.310	n	(P-4782)
211.330	n	(P-4782)
211.350	n	(P-4782)
211.370	n	(P-4782)
211.390	n	(P-4782)
211.410	n	(P-4782)
211.430	n	(P-4782)
211.450	n	(P-4782)
211.470	n	(P-4782)
211.490	n	(P-4782)
211.510	n	(P-4782)
211.530	n	(P-4782)
211.550	n	(P-4782)
211.570	n	(P-4782)
211.590	n	(P-4782)
211.610	n	(P-4782)

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TITLE 35 (CONT'D)

211.1670	n	(P-4782)	211.2710	n	(P-4782)
211.1690	n	(P-4782)	211.2730	n	(P-4782)
211.1710	n	(P-4782)	211.2750	n	(P-4782)
211.1730	n	(P-4782)	211.2770	n	(P-4782)
211.1750	n	(P-4782)	211.2790	n	(P-4782)
211.1770	n	(P-4782)	211.2810	n	(P-4782)
211.1790	n	(P-4782)	211.2830	n	(P-4782)
211.1810	n	(P-4782)	211.2850	n	(P-4782)
211.1830	n	(P-4782)	211.2870	n	(P-4782)
211.1850	n	(P-4782)	211.2890	n	(P-4782)
211.1870	n	(P-4782)	211.2910	n	(P-4782)
211.1890	n	(P-4782)	211.2930	n	(P-4782)
211.1910	n	(P-4782)	211.2950	n	(P-4782)
211.1930	n	(P-4782)	211.2970	n	(P-4782)
211.1950	n	(P-4782)	211.2990	n	(P-4782)
211.1970	n	(P-4782)	211.3010	n	(P-4782)
211.1990	n	(P-4782)	211.3030	n	(P-4782)
211.2010	n	(P-4782)	211.3050	n	(P-4782)
211.2030	n	(P-4782)	211.3070	n	(P-4782)
211.2050	n	(P-4782)	211.3090	n	(P-4782)
211.2070	n	(P-4782)	211.3110	n	(P-4782)
211.2090	n	(P-4782)	211.3130	n	(P-4782)
211.2110	n	(P-4782)	211.3150	n	(P-4782)
211.2130	n	(P-4782)	211.3170	n	(P-4782)
211.2150	n	(P-4782)	211.3190	n	(P-4782)
211.2170	n	(P-4782)	211.3210	n	(P-4782)
211.2190	n	(P-4782)	211.3230	n	(P-4782)
211.2210	n	(P-4782)	211.3250	n	(P-4782)
211.2230	n	(P-4782)	211.3270	n	(P-4782)
211.2250	n	(P-4782)	211.3290	n	(P-4782)
211.2270	n	(P-4782)	211.3310	n	(P-4782)
211.2310	n	(P-4782)	211.3330	n	(P-4782)
211.2330	n	(P-4782)	211.3350	n	(P-4782)
211.2350	n	(P-4782)	211.3370	n	(P-4782)
211.2370	n	(P-4782)	211.3390	n	(P-4782)
211.2390	n	(P-4782)	211.3410	n	(P-4782)
211.2410	n	(P-4782)	211.3430	n	(P-4782)
211.2430	n	(P-4782)	211.3450	n	(P-4782)
211.2450	n	(P-4782)	211.3470	n	(P-4782)
211.2470	n	(P-4782)	211.3490	n	(P-4782)
211.2490	n	(P-4782)	211.3510	n	(P-4782)
211.2510	n	(P-4782)	211.3530	n	(P-4782)
211.2530	n	(P-4782)	211.3550	n	(P-4782)
211.2550	n	(P-4782)	211.3570	n	(P-4782)
211.2570	n	(P-4782)	211.3590	n	(P-4782)
211.2590	n	(P-4782)	211.3610	n	(P-4782)
211.2650	n	(P-4782)	211.3630	n	(P-4782)
211.2670	n	(P-4782)	211.3650	n	(P-4782)
211.2690	n	(P-4782)	211.3670	n	(P-4782)

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211.3690	n	(P-4782)	211.4690	n	(P-4782)
211.3710	n	(P-4782)	211.4710	n	(P-4782)
211.3730	n	(P-4782)	211.4730	n	(P-4782)
211.3750	n	(P-4782)	211.4750	n	(P-4782)
211.3770	n	(P-4782)	211.4770	n	(P-4782)
211.3790	n	(P-4782)	211.4790	n	(P-4782)
211.3810	n	(P-4782)	211.4810	n	(P-4782)
211.3830	n	(P-4782)	211.4870	n	(P-4782)
211.3850	n	(P-4782)	211.4890	n	(P-4782)
211.3870	n	(P-4782)	211.4910	n	(P-4782)
211.3890	n	(P-4782)	211.4930	n	(P-4782)
211.3910	n	(P-4782)	211.4950	n	(P-4782)
211.3930	n	(P-4782)	211.4990	n	(P-4782)
211.3970	n	(P-4782)	211.5030	n	(P-4782)
211.3990	n	(P-4782)	211.5050	n	(P-4782)
211.4010	n	(P-4782)	211.5070	n	(P-4782)
211.4030	n	(P-4782)	211.5090	n	(P-4782)
211.4050	n	(P-4782)	211.5110	n	(P-4782)
211.4070	n	(P-4782)	211.5130	n	(P-4782)
211.4090	n	(P-4782)	211.5150	n	(P-4782)
211.4110	n	(P-4782)	211.5170	n	(P-4782)
211.4130	n	(P-4782)	211.5190	n	(P-4782)
211.4150	n	(P-4782)	211.5210	n	(P-4782)
211.4170	n	(P-4782)	211.5230	n	(P-4782)
211.4190	n	(P-4782)	211.5250	n	(P-4782)
211.4210	n	(P-4782)	211.5270	n	(P-4782)
211.4230	n	(P-4782)	211.5290	n	(P-4782)
211.4250	n	(P-4782)	211.5310	n	(P-4782)
211.4270	n	(P-4782)	211.5330	n	(P-4782)
211.4290	n	(P-4782)	211.5350	n	(P-4782)
211.4310	n	(P-4782)	211.5370	n	(P-4782)
211.4330	n	(P-4782)	211.5410	n	(P-4782)
211.4350	n	(P-4782)	211.5430	n	(P-4782)
211.4370	n	(P-4782)	211.5450	n	(P-4782)
211.4390	n	(P-4782)	211.5470	n	(P-4782)
211.4410	n	(P-4782)	211.5490	n	(P-4782)
211.4430	n	(P-4782)	211.5510	n	(P-4782)
211.4450	n	(P-4782)	211.5550	n	(P-4782)
211.4470	n	(P-4782)	211.5570	n	(P-4782)
211.4490	n	(P-4782)	211.5590	n	(P-4782)
211.4510	n	(P-4782)	211.5610	n	(P-4782)
211.4530	n	(P-4782)	211.5630	n	(P-4782)
211.4550	n	(P-4782)	211.5650	n	(P-4782)
211.4570	n	(P-4782)	211.5670	n	(P-4782)
211.4590	n	(P-4782)	211.5690	n	(P-4782)
211.4610	n	(P-4782)	211.5710	n	(P-4782)
211.4630	n	(P-4782)	211.5730	n	(P-4782)
211.4650	n	(P-4782)	211.5750	n	(P-4782)
211.4670	n	(P-4782)	211.5770	n	(P-4782)

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211.5790	n	(P-4782)	211.6890	n	(P-4782)
211.5810	n	(P-4782)	211.6910	n	(P-4782)
211.5830	n	(P-4782)	211.6930	n	(P-4782)
211.5850	n	(P-4782)	211.6950	n	(P-4782)
211.5870	n	(P-4782)	211.6970	n	(P-4782)
211.5890	n	(P-4782)	211.6990	n	(P-4782)
211.5910	n	(P-4782)	211.7010	n	(P-4782)
211.5930	n	(P-4782)	211.7030	n	(P-4782)
211.5950	n	(P-4782)	211.7070	n	(P-4782)
211.5970	n	(P-4782)	211.7090	n	(P-4782)
211.5990	n	(P-4782)	211.7110	n	(P-4782)
211.6010	n	(P-4782)	211.7130	n	(P-4782)
211.6030	n	(P-4782)	211.7150	n	(P-4782)
211.6050	n	(P-4782)	211.7170	n	(P-4782)
211.6070	n	(P-4782)	211.7190	n	(P-4782)
211.6090	n	(P-4782)	211.7210	n	(P-4782)
211.6130	n	(P-4782)	211.7230	n	(P-4782)
211.6150	n	(P-4782)	211.7250	n	(P-4782)
211.6190	n	(P-4782)	211.7270	n	(P-4782)
211.6210	n	(P-4782)	211.7290	n	(P-4782)
211.6230	n	(P-4782)	211.7310	n	(P-4782)
211.6270	n	(P-4782)	211.7330	n	(P-4782)
211.6290	n	(P-4782)	218.100	am	(P-4905)
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211.6330	n	(P-4782)	218.102	am	(P-4905)
211.6350	n	(P-4782)	218.103	am	(P-4905)
211.6370	n	(P-4782)	218.104	am	(P-4905)
211.6390	n	(P-4782)	218.105	am	(P-4905)
211.6410	n	(P-4782)	218.106	am	(P-4905)
211.6430	n	(P-4782)	218.107	am	(P-4905)
211.6450	n	(P-4782)	218.109	am	(P-4905)
211.6470	n	(P-4782)	218.110	am	(P-4905)
211.6490	n	(P-4782)	218.111	am	(P-4905)
211.6510	n	(P-4782)	218.112	am	(P-4905)
211.6530	n	(P-4782)	218.121	am	(P-4905)
211.6550	n	(P-4782)	218.122	am	(P-4905)
211.6570	n	(P-4782)	218.123	am	(P-4905)
211.6590	n	(P-4782)	218.124	am	(P-4905)
211.6610	n	(P-4782)	218.125	r	(P-4905)
211.6670	n	(P-4782)	218.126	r	(P-4905)
211.6690	n	(P-4782)	218.141	am	(P-4905)
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211.6770	n	(P-4782)	218.181	am	(P-4905)
211.6790	n	(P-4782)	218.182	am	(P-4905)
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218.207	am	(P-4905)	218.525	am	(P-4905)
218.208	am	(P-4905)	218.527	r	(P-4905)
218.209	am	(P-4905)	218.541	am	(P-4905)
218.210	am	(P-4905)	218.562	am	(P-4905)
218.211	am	(P-4905)	218.581	am	(P-4905)
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218.302	am	(P-4905)	218.583	am	(P-4905)
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218.304	am	(P-4905)	218.585	am	(P-4905)
218.401	am	(P-4905)	218.586	am	(P-4905)
218.402	am	(P-4905)	218.601	am	(P-4905)
218.403	am	(P-4905)	218.602	am	(P-4905)
218.404	am	(P-4905)	218.603	am	(P-4905)
218.405	am	(P-4905)	218.604	r	(P-4905)
218.421	am	(P-4905)	218.605	r	(P-4905)
218.422	am	(P-4905)	218.606	r	(P-4905)
218.423	am	(P-4905)	218.608	am	(P-4905)
218.424	am	(P-4905)	218.609	am	(P-4905)
218.425	am	(P-4905)	218.610	am	(P-4905)
218.426	am	(P-4905)	218.611	am	(P-4905)
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218.428	am	(P-4905)	218.613	r	(P-4905)
218.429	am	(P-4905)	218.620	am	(P-4905)
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218.441	am	(P-4905)	218.623	am	(P-4905)
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218.445	am	(P-4905)	218.628	am	(P-4905)
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218.447	am	(P-4905)	218.637	am	(P-4905)
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218.465	r	(P-4905)	218.881	r	(P-4905)
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219.582	am	(P-5169)	219.967	am	(P-5169)
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219.586	am	(P-5169)	219.986	am	(P-5169)
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1000.205 re (A-4464)
1000.210 re (A-4464)
1000.220 re (A-4464)
1000.230 re (A-4464)
1000.240 re (A-4464)
1000.250 re (A-4464)
1000.260 re (A-4464)
1000.270 re (A-4464)
1000.280 re (A-4464)
1000.290 re (A-4464)
1000.310 re (A-4464)
1000.410 re (A-4464)
1000.420 re (A-4464)
1000.430 re (A-4464)
1000.440 re (A-4464)
1000.510 re (A-4464)
1000.610 re (A-4464)
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1000.620 re (A-4464)
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1000.1070 re (A-4464)
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1000.1120 re (A-4464)
1000.1130 re (A-4464)

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TITLE 38 (CONT'D)
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1000.1800 re (A-4464)
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1000.2060 re (A-4464)
1000.2070 re (A-4464)
1000.2105 re (A-4464)
1000.2110 re (A-4464)
1000.2120 re (A-4464)
1000.2200 re (A-4464)
1000.2300 re (A-4464)
1000.2310 re (A-4464)
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1000.2530 re (A-4464)
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1000.2550 re (A-4464)
1000.2700 re (A-4464)
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1050.230 re (A-4475)
1050.240 re (A-4475)
1050.250 re (A-4475)
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1050.280 re (A-4475)
1050.290 re (A-4475)
1050.310 re (A-4475)
1050.320 re (A-4475)
1050.330 re (A-4475)
1050.340 re (A-4475)
1050.350 re (A-4475)
1050.410 re (A-4475)
1050.420 re (A-4475)
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1050.470 re (A-4475)
1050.475 re (A-4475)
1050.480 re (A-4475)
1050.490 re (A-4475)
1050.610 re (A-4475)
1050.620 re (A-4475)
1050.630 re (A-4475)
1050.640 re (A-4475)

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1.530	am	(P-12808/92; A-600)	130.50	r	(P-1)
1.530	am	(P-12808/92; A-600)	130.60	r	(P-1)
1.610	am	(P-12808/92; A-600)	130.70	r	(P-1)
1.620	am	(P-12808/92; A-600)	130.80	r	(P-1)
1.630	am	(P-12808/92; A-600)	130.90	r	(P-1)
1.2215	am	(P-3926)	130.100	r	(P-1)
610.100	n	(P-1697)	130.110	r	(P-1)
610.110	n	(P-1697)	370.101	n	(P-11713/92; A-319)
610.120	n	(P-1697)	370.102	n	(P-11713/92; A-319)
610.200	n	(P-1697)	370.103	n	(P-11713/92; A-319)
610.210	n	(P-1697)	370.104	n	(P-11713/92; A-319)
610.220	n	(P-1697)	370.105	n	(P-11713/92; A-319)
610.230	n	(P-1697)	370.106	n	(P-11713/92; A-319)
610.240	n	(P-1697)	370.107	n	(P-11713/92; A-319)
610.250	n	(P-1697)	370.108	n	(P-11713/92; A-319)
610.260	n	(P-1697)	370.109	n	(P-11713/92; A-319)
610.270	n	(P-1697)	370.110	n	(P-11713/92; A-319)
610.280	n	(P-1697)	370.111	n	(P-11713/92; A-319)
610.300	n	(P-1697)	370.112	n	(P-11713/92; A-319)
610.310	n	(P-1697)	370.113	n	(P-11713/92; A-319)
610.320	n	(P-1697)	370.201	n	(P-11713/92; A-319)
610.330	n	(P-1697)	370.202	n	(P-11713/92; A-319)
610.340	n	(P-1697)	370.203	n	(P-11713/92; A-319)
610.350	n	(P-1697)	370.204	n	(P-11713/92; A-319)
5000.230	am	(P-2105) (E-2361)	370.205	n	(P-11713/92; A-319)
5000.900	n	(P-11378/92; A-1006)	370.206	n	(P-11713/92; A-319)
5000.910	n	(P-11378/92; A-1006)	370.207	n	(P-11713/92; A-319)
5000.920	n	(P-11378/92; A-1006)	370.208	n	(P-11713/92; A-319)
5000.930	n	(P-11378/92; A-1006)	370.209	n	(P-11713/92; A-319)
5000.940	n	(P-11378/92; A-1006)	370.210	n	(P-11713/92; A-319)
5000.950	n	(P-11378/92; A-1006)	370.211	n	(P-11713/92; A-319)
5000.960	n	(P-11378/92; A-1006)	370.212	n	(P-11713/92; A-319)
5000.970	n	(P-11378/92; A-1006)	370.301	n	(P-11713/92; A-319)
5000.Ap.B	n	(P-11378/92; A-1006)	370.302	n	(P-11713/92; A-319)
			370.303	n	(P-11713/92; A-319)
			370.304	n	(P-11713/92; A-319)
100.30	am	(P-16707/92; A-3836)	370.305	n	(P-11713/92; A-319)
100.105	am	(P-16707/92; A-3836)	370.401	n	(P-11713/92; A-319)
100.Ap.A			370.402	n	(P-11713/92; A-319)
.II.A	am	(P-16707/92; A-3836)	370.501	n	(P-11713/92; A-319)
.II.B	am	(P-16707/92; A-3836)	370.502	n	(P-11713/92; A-319)
.II.C	am	(P-16707/92; A-3836)	370.503	n	(P-11713/92; A-319)
.II.D	am	(P-16707/92; A-3836)	370.504	n	(P-11713/92; A-319)
.II.E	am	(P-16707/92; A-3836)	370.505	n	(P-11713/92; A-319)
.II.F	am	(P-16707/92; A-3836)	370.506	n	(P-11713/92; A-319)
130.10	r	(P-1)	370.507	n	(P-11713/92; A-319)
130.20	r	(P-1)	370.601	n	(P-11713/92; A-319)
130.30	r	(P-1)	370.602	n	(P-11713/92; A-319)
130.40	r	(P-1)	370.603	n	(P-11713/92; A-319)

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370.604	n	(P-11713/92; A-319)	802.10	am	(P-44) (E-163)
370.605	n	(P-11713/92; A-319)	802.20	am	(P-44) (E-163)
370.701	n	(P-11713/92; A-319)	802.30	am	(P-44) (E-163)
370.702	n	(P-11713/92; A-319)	802.40	am	(P-44) (E-163)
370.703	n	(P-11713/92; A-319)	802.50	am	(P-44) (E-163)
370.704	n	(P-11713/92; A-319)	802.60	am	(P-44) (E-163)
370.705	n	(P-11713/92; A-319)	802.70	am	(P-44) (E-163)
370.706	n	(P-11713/92; A-319)	802.80	am	(P-44) (E-163)
370.707	n	(P-11713/92; A-319)	805.10	am	(P-42) (E-154)
370.801	n	(P-11713/92; A-319)	805.20	am	(P-42) (E-154)
370.802	n	(P-11713/92; A-319)	805.30	am	(P-42) (E-154)
370.901	n	(P-11713/92; A-319)	805.40	am	(P-42) (E-154)
370.902	n	(P-11713/92; A-319)	805.50	am	(P-42) (E-154)
370.903	n	(P-11713/92; A-319)	805.60	am	(P-42) (E-154)
370.904	n	(P-11713/92; A-319)	805.70	am	(P-42) (E-154)
370.1001	n	(P-11713/92; A-319)	904.20	am	(P-3993)
370.1002	n	(P-11713/92; A-319)	920.10	r	(P-2530)
370.1003	n	(P-11713/92; A-319)	920.20	r	(P-2530)
370.1004	n	(P-11713/92; A-319)	927.10	am	(P-2106)
370.1005	n	(P-11713/92; A-319)	927.20	am	(P-2106)
370.1006	n	(P-11713/92; A-319)	927.30	am	(P-2106)
370.1007	n	(P-11713/92; A-319)	932.20	am	(P-7279/92; O-1240)
370.1101	n	(P-11713/92; A-319)	932.40	am	(P-7279/92; O-1240)
700.100	n	(P-4530)	932.60	am	(P-7279/92; O-1240)
700.110	n	(P-4530)	939.10	am	(P-4768)
700.200	n	(P-4530)	939.20	am	(P-4768)
700.205	n	(P-4530)	939.30	am	(P-4768)
700.207	n	(P-4530)	939.II.A	am	(P-4768)
700.209	n	(P-4530)	939.II.B	am	(P-4768)
700.211	n	(P-4530)	939.II.C	am	(P-4768)
700.213	n	(P-4530)	939.II.D	am	(P-4768)
700.220	n	(P-4530)	939.II.E	am	(P-4768)
700.221	n	(P-4530)	939.II.F	am	(P-4768)
700.223	n	(P-4530)	1250.10	n	(P-3985)
700.224	n	(P-4530)	1250.20	n	(P-3985)
700.225	n	(P-4530)	1250.30	n	(P-3985)
700.226	n	(P-4530)	1250.40	n	(P-3985)
700.227	n	(P-4530)	1408.10	n	(P-8735/92; A-4195)
700.228	n	(P-4530)	1408.20	n	(P-8735/92; A-4195)
700.250	n	(P-4530)	1408.30	n	(P-8735/92; A-4195)
700.252	n	(P-4530)	1408.40	n	(P-8735/92; A-4195)
700.260	n	(P-4530)	1408.50	n	(P-8735/92; A-4195)
700.265	n	(P-4530)	1408.60	n	(P-8735/92; A-4195)
700.270	n	(P-4530)	1408.70	n	(P-8735/92; A-4195)
700.275	n	(P-4530)	1408.80	n	(P-8735/92; A-4195)
700.280	n	(P-4530)	1408.90	n	(P-8735/92; A-4195)
			1408.II.A	n	(P-8735/92; A-4195)
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2013.20	am	(P-10375/92; A-1525)	2765.330	n	(P-15638/92; A-614)	121.105	n
2013.30	am	(P-10375/92; A-1525)	2765.333	am	(P-15638/92; A-614)	(P-15715/92; RC-3689; A-4261)	122.80
2013.40	am	(P-10375/92; A-1525)	2765.334	am	(P-15638/92; A-614)	A-4261	122.85
2013.50	am	(P-10375/92; A-1525)	2770.100	am	(P-15625/92; A-295)	(P-15715/92; RC-3689; A-4261)	n
2013.60	am	(P-10375/92; A-1525)	2770.105	am	(P-15625/92; A-295)	A-4261	122.Ap.A
2013.70	am	(P-10375/92; A-1525)	2770.110	am	(P-15625/92; A-295)	(P-15715/92; RC-3689; A-4261)	n
2015.10	n	(P-696)	2840.25	n	(P-886)	121.120	n
2015.20	n	(P-696)	6000.120	am	(P-3922)	121.130	n
2015.30	n	(P-696)				A-4261	240.131
2015.40	n	(P-696)				121.135	n
2015.50	n	(P-696)				(P-15715/92; RC-3689; A-4261)	240.133
2015.60	n	(P-696)				121.140	am
7020.80	am	(P-14511/92; A-2206)				A-4261	240.160
TITLE 56		TITLE 59		TITLE 60		TITLE 61	
350.280	am	(P-3780/92; O-180; R-1239; A-1074)	121.10	n	(P-15715/92; RC-3689; A-4261)	121.140	am
2520.700	#	(P-10)	121.15	n	(P-15715/92; RC-3689; A-4261)	121.145	am
2520.700	am	(P-10)	121.20	n	(P-15715/92; RC-3689; A-4261)	121.Ap.A	am
2520.710	am	(P-10)	121.25	n	(P-15715/92; RC-3689; A-4261)	122.10	n
2520.720	am	(P-10)	121.30	n	(P-15715/92; RC-3689; A-4261)	122.15	n
2520.730	am	(P-10)	121.35	n	(P-15715/92; RC-3689; A-4261)	122.20	n
2520.740	#	(P-10)	121.40	n	(P-15715/92; RC-3689; A-4261)	122.25	n
2520.750	r	(P-10)	121.45	n	(P-15715/92; RC-3689; A-4261)	122.30	n
2520.760	am	(P-10)	121.50	n	(P-15715/92; RC-3689; A-4261)	122.31	n
2520.770	am	(P-10)	121.55	n	(P-15715/92; RC-3689; A-4261)	122.35	n
2520.780	am	(P-10)	121.60	n	(P-15715/92; RC-3689; A-4261)	122.40	n
2520.790	am	(P-10)	121.65	n	(P-15715/92; RC-3689; A-4261)	122.45	n
2520.795	am	(P-10)	121.70	n	(P-15715/92; RC-3689; A-4261)	122.50	n
2520.797	am	(P-10)	121.75	n	(P-15715/92; RC-3689; A-4261)	122.55	n
2520.Ap.A	am	(P-10)	121.80	n	(P-15715/92; RC-3689; A-4261)	122.60	n
2712.201	am	(P-17853/92; A-3194)	121.85	n	(P-15715/92; RC-3689; A-4261)	122.65	n
2712.203	am	(P-17853/92; A-3194)	121.90	n	(P-15715/92; RC-3689; A-4261)	122.70	n
2712.205	am	(P-17853/92; A-3194)	121.95	n	(P-15715/92; RC-3689; A-4261)	122.75	n
2712.207	am	(P-17853/92; A-3194)	121.100	n	(P-15715/92; RC-3689; A-4261)	122.80	n
2732.225	n	(P-211)				122.85	n
2732.227	n	(P-211)				122.90	n
2765.5	am	(P-12006/92; A-308)				122.95	n
2765.50	am	(P-12006/92; A-308)				123.00	n
2765.64	n	(P-12006/92; A-308)				123.05	n
2765.66	am	(P-12006/92; A-308)				123.10	n
2765.70	r	(P-12006/92; A-308)				123.15	n
2765.70	n	(P-12006/92; A-308)				123.20	n
2765.71	n	(P-2523)				123.25	n
2765.74	n	(P-12006/92; A-308)				123.30	n
2765.75	am	(P-12006/92; A-308)				123.35	n
2765.328	am	(P-15638/92; A-614)				123.40	n
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665.280	am	(P-2697)	785.1220	n	(P-920)
665.310	am	(P-2697)	840.20	am	(P-4329/92; A-2319)
665.420	am	(P-2697)	840.115	am	(P-4329/92; A-2319)
665.430	am	(P-2697)	840.210	am	(P-4329/92; A-2319)
665.440	am	(P-2697)	840.215	am	(P-4329/92; A-2319)
665.510	am	(P-2697)	840.305	am	(P-4329/92; A-2319)
665.610	am	(P-2697)	840.310	am	(P-4329/92; A-2319)
665.620	am	(P-2697)	840.Ap.B		
665.630	am	(P-2697)	Ex.A	am	(P-4329/92; A-2319)
665.640	am	(P-2697)	Ex.B	r	(P-4329/92; A-2319)
665.Ap.B	r	(P-2697)	Ex.B	n	(P-4329/92; A-2319)
693.15	am	(E-1213) (P-2711)	Ex.B	r	(P-4329/92; A-2319)
693.20	am	(E-1213) (P-2711)	840.Ap.C		
694.20	am	(P-13414/92; A-2306)	Ex.B	am	(P-4329/92; A-2319)
694.100	am	(P-13414/92; A-2306)	845.10	am	(P-12314/92; A-1884)
694.110	am	(P-13414/92; A-2306)	845.15	n	(P-12314/92; A-1884)
694.120	am	(P-13414/92; A-2306)	845.20	am	(P-12314/92; A-1884)
694.Ap.A	r	(P-13414/92; A-2306)	845.23	n	(P-12314/92; A-1884)
694.Ap.B	r	(P-13414/92; A-2306)	845.25	n	(P-12314/92; A-1884)
695.10	am	(P-13472/92; A-2975)	845.26	n	(P-12314/92; A-1884)
695.30	am	(P-13472/92; A-2975)	845.28	n	(P-12314/92; A-1884)
695.40	am	(P-13472/92; A-2975)	845.29	n	(P-12314/92; A-1884)
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695.Ap.A	n	(P-13472/92; A-2975)			M-2073; A-1884
697.20	am	(E-1204) (P-2687)	845.40	am	(P-12314/92; A-1884)
697.30	am	(E-1204) (P-2687)	845.50	am	(P-12314/92; A-1884)
750.540	am	(P-723)	845.60	r	(P-12314/92; A-1884)
750.1810	am	(P-723)	845.Ap.A	n	(P-12314/92; A-1884)
750.1820	am	(P-723)	845.Ex.A	n	(P-12314/92; A-1884)
750.1830	am	(P-723)	845.Ex.B	n	(P-12314/92; A-1884)
750.1855	n	(P-723)	845.Ex.C	n	(P-12314/92; A-1884)
750.1865	am	(P-723)	845.Ap.B	n	(P-12314/92; A-1884)
750.Ap.B	am	(P-723)	845.Ap.C	n	(P-12314/92; A-1884)
750.Ap.C	am	(P-723)	845.II.A	n	(P-12314/92; A-1884)
750.Ap.E	n	(P-723)	845.Ap.D	n	(P-12314/92; A-1884)
775.10	am	(P-906)	845.II.A	n	(P-12314/92; A-1884)
775.20	am	(P-906)	845.Ap.E	n	(P-12314/92; A-1884)
775.70	am	(P-906)	900.10	am	(P-10870/92; A-4388)
775.110	am	(P-906)	900.30	am	(P-10870/92; A-4388)
775.140	am	(P-906)	900.40	am	(P-10870/92; A-4388)
775.150	n	(P-906)	900.50	am	(P-10870/92; A-4388)
785.110	am	(P-920)	900.60	am	(P-10870/92; A-4388)
785.120	am	(P-920)	900.65	am	(P-10870/92; A-4388)
785.200	am	(P-920)	900.70	am	(P-10870/92; A-4388)
785.290	am	(P-920)	900.Th.E	n	(P-10870/92; A-4388)
785.300	am	(P-920)	900.Th.F	n	(P-10870/92; A-4388)
785.355	n	(P-920)			

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900.Tb.G	n	(P-10870/92; A-4388)	1230.220	r	(P-5187/92; A-5878)
900.Tb.H	n	(P-10870/92; A-4388)	1230.230	r	(P-5187/92; A-5878)
900.Tb.I	n	(P-10870/92; A-4388)	1230.240	r	(P-5187/92; A-5878)
Ex.A	n	(P-10870/92; A-4388)	1230.250	r	(P-5187/92; A-5878)
Ex.B	n	(P-10870/92; A-4388)	1230.260	r	(P-5187/92; A-5878)
Ex.C	n	(P-10870/92; A-4388)	1230.310	r	(P-5187/92; A-5878)
Ex.D	n	(P-10870/92; A-4388)	1230.320	r	(P-5187/92; A-5878)
915.10	am	(P-10989/92; A-4425)	1230.410	r	(P-5187/92; A-5878)
915.20	am	(P-10989/92; A-4425)	1230.420	r	(P-5187/92; A-5878)
915.40	n	(P-10989/92; A-4425)	1230.Tb.A	r	(P-5187/92; A-5878)
1110.60	n	(P-15328/92; A-4453)	1230.Tb.B	r	(P-5187/92; A-5878)
1110.235	n	(P-15328/92; A-4453)	1235.10	n	(E-432; O-3056) (P-683)
1120.10	n	(P-5205/92; A-4431)	1235.20	n	(E-432; O-3056) (P-683)
1120.20	n	(P-5205/92; RC-1244; A-4453)	1235.30	n	(E-432; O-3056) (P-683)
1120.110	n	(P-5205/92; A-4431)	1235.40	n	(E-432; O-3056) (P-683)
1120.120	n	(P-5205/92; RC-1244; A-4431)	1235.50	n	(E-432; O-3056) (P-683)
1120.130	n	(P-5205/92; A-4431)	1235.100	n	(E-432; O-3056) (P-683)
1120.210	n	(P-5205/92; A-4431)	1235.200	n	(E-432; O-3056) (P-683)
1120.310	n	(P-5205/92; RC-1244; A-4431)	1235.210	n	(E-432; O-3056) (P-683)
1120.Ap.A	n	(P-5205/92; RC-1244; A-4431)	1235.220	n	(E-432; O-3056) (P-683)
1130.140	am	(P-4755/92; A-5882)	1235.230	n	(E-432; O-3056) (P-683)
1130.220	am	(P-4755/92; A-5882)	1235.240	n	(E-432; O-3056) (P-683)
1130.410	am	(P-4755/92; A-5882)	1235.240	n	(E-432; O-3056) (P-683)
1130.510	am	(P-4755/92; A-5882)	1235.300	n	(E-432; O-3056) (P-683)
1130.620	am	(P-4755/92; A-5882)	1235.310	n	(E-432; O-3056) (P-683)
1130.630	am	(P-4755/92; A-5882)	1240.10	r	(P-5225/92; A-5880)
1130.640	am	(P-4755/92; A-5882)	1240.20	r	(P-5225/92; A-5880)
1130.710	am	(P-4755/92; A-5882)	1240.30	r	(P-5225/92; A-5880)
1130.720	am	(P-4755/92; A-5882)	1240.40	r	(P-5225/92; A-5880)
1130.730	am	(P-4755/92; A-5882)	1240.50	r	(P-5225/92; A-5880)
1130.740	am	(P-4755/92; A-5882)	1240.60	r	(P-5225/92; A-5880)
1130.750	am	(P-4755/92; A-5882)	1240.70	r	(P-5225/92; A-5880)
1130.760	am	(P-4755/92; A-5882)	1240.Ap.A	r	(P-5225/92; A-5880)
1130.770	am	(P-4755/92; A-5882)	2510.60	am	(P-1695) (E-2031)
1130.780	am	(P-4755/92; A-5882)	2510.70	am	(P-1695) (E-2031)
1130.Ap.A	am	(P-4755/92; A-5882)	2510.90	n	(P-1695) (E-2031)
1230.10	r	(P-5187/92; A-5878)			
1230.20	r	(P-5187/92; A-5878)			
1230.30	r	(P-5187/92; A-5878)			
1230.110	r	(P-5187/92; A-5878)			
1230.120	r	(P-5187/92; A-5878)			
1230.210	r	(P-5187/92; A-5878)			

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150.210	am	(E-17372/92; RC-181; F-5952)
302.180	am	(P-17187/92; A-3169)
302.610	am	(P-17187/92; A-3169)
303.112	n	(P-19285/92; A-5587)
310.110	am	(P-13679/92; A-238)
310.130	am	(P-13679/92; A-238)
310.290	am	(P-191; C-672)
310.450	am	(P-14001/92; A-1819)
310.455	am	(P-14001/92; A-1819)
310.470	am	(P-14001/92; A-1819)

TITLE 80 (CONT'D)		TITLE 83 (CONT'D)		TITLE 86		TITLE 89					
310.530	am	(P-14001/92; A-1819)	1230.180	am	(P-3718)	315.10	am	(P-202)	105.410	n	(P-219) (E-445)
310.540	am	(P-14001/92; A-1819)	1230.190	am	(P-3718)	315.20	am	(P-202)	105.420	n	(P-219) (E-445)
310.Ap.A	am	(PP-498) (P-13179/92; A-590)	1230.220	am	(P-3718)	315.20	am	(P-202)	105.430	n	(P-219) (E-445)
			1650.210	am	(P-12384/92; A-1631)	315.40	n	(P-202)	105.440	n	(P-219) (E-445)
			1650.230	am	(P-12384/92; A-1631)	315.40	n	(P-202)	105.450	n	(P-219) (E-445)
.Tb.M	n	(P-13179/92; A-590)	1650.240	am	(P-12384/92; A-1631)	315.50	n	(P-202)	105.460	n	(P-219) (E-445)
.Tb.N	n	(PP-498)	1650.290	am	(P-12384/92; A-1631)	315.60	n	(P-202)	105.470	n	(P-219) (E-445)
310.Ap.B	am	(P-13679/92; A-238)	1650.330	am	(P-12384/92; A-1631)	590.10	am	(P-2466)	105.500	n	(P-219) (E-445)
310.Ap.C	am	(P-191) (P-14001/92; A-1819)	1650.340	am	(P-12384/92; A-1631)	755.10	am	(P-16709/92; A-5594)	105.510	n	(P-219) (E-445)
			1650.370	am	(P-12384/92; A-1631)	755.105	am	(P-16709/92; A-5594)	105.520	n	(P-219) (E-445)
310.Ap.D	am	(P-14001/92; A-1819)	1650.410	am	(P-12384/92; A-1631)	755.500	n	(P-16709/92; A-5594)	105.600	n	(P-219) (E-445)
420.330	am	(P-15342/92; A-1652)	1650.450	am	(P-12384/92; A-1631)	755.505	n	(P-16709/92; A-5594)	105.700	n	(P-219) (E-445)
620.130	am	(P-11724/92; W-869)	1650.460	am	(P-12384/92; A-1631)	755.510	n	(P-16709/92; A-5594)	105.800	n	(P-219) (E-445)
		(P-12409/92; W-869)	1650.510	am	(P-12384/92; A-1631)	755.515	n	(P-16709/92; A-5594)	105.810	n	(P-219) (E-445)
		(P-91; W-869)	1650.520	am	(P-12384/92; A-1631)	755.520	n	(P-16709/92; A-5594)	105.900	n	(P-219) (E-445)
		(P-15347/92; A-4510)	1650.570	am	(P-12384/92; A-1631)	755.525	n	(P-16709/92; A-5594)	105.910	n	(P-219) (E-445)
1200.10	am	(P-3703)	1650.620	am	(P-12384/92; A-1631)	755.Ex.A	n	(P-16709/92; A-5594)	105.920	n	(P-219) (E-445)
1200.20	am	(P-3703)	1650.630	am	(P-12384/92; A-1631)	755.Ex.B	n	(P-16709/92; A-5594)	105.1000	n	(P-219) (E-445)
1200.30	am	(P-3703)	1650.640	am	(P-12384/92; A-1631)	755.Ex.C	n	(P-16709/92; A-5594)	105.1010	n	(P-219) (E-445)
1200.40	am	(P-3703)	1650.650	am	(P-12384/92; A-1631)	755.Ex.D	n	(P-16709/92; A-5594)	110.115	am	(P-2507)
1200.50	am	(P-3703)	2160.120	am	(P-3577)	755.Ex.E	n	(P-16709/92; A-5594)	130.220	am	(P-14554/92; A-860)
1200.60	am	(P-3703)	2160.130	am	(P-3577)	755.Ex.F	n	(P-16709/92; A-5594)	150.Tb.A	am	(P-14563/92; A-1947)
1200.80	am	(P-3703)	2160.210	am	(P-3577)	755.Ex.G	n	(P-16709/92; A-5594)	210.101	am	(E-665) (P-2718)
1200.90	am	(P-3703)	2160.220	am	(P-3577)	755.Ex.H	n	(P-16709/92; A-5594)	210.105	am	(P-2718)
1200.110	am	(P-3703)	2160.250	am	(P-3577)	755.Ex.I	n	(P-16709/92; A-5594)	210.110	am	(P-2718)
1200.120	am	(P-3703)	2160.310	am	(P-3577)	755.Ex.J	n	(P-16709/92; A-5594)	210.115	am	(P-2718; C-3545)
1200.130	am	(P-3703)	2160.320	am	(P-3577)	755.Ex.K	n	(P-16709/92; A-5594)	210.120	am	(P-2718)
1200.140	am	(P-3703)	2160.325	am	(P-3577)	755.Ex.L	n	(P-16709/92; A-5594)	210.125	am	(E-665) (P-2718)
1200.150	am	(P-3703)	2160.330	am	(P-3577)	755.Ex.M	n	(P-16709/92; A-5594)	210.126	n	(E-665) (P-2718)
1210.10	am	(P-3734)	2160.410	am	(P-3577)	755.Ex.N	n	(P-16709/92; A-5594)	210.130	am	(P-2718)
1210.100	am	(P-3734)	2160.510	am	(P-3577)	756.210	am	(P-14004/92; A-1848)	530.115	am	(P-3104)
1210.140	am	(P-3734)	2160.610	am	(P-3577)	TITLE 86					
1210.160	am	(P-3734)	2160.620	am	(P-3577)	100.3100	am	(P-222) (E-473)	535.101	n	(P-15340/92; A-3042)
1210.170	am	(P-3734)	2650.1	am	(P-2449)	100.3400	am	(P-222) (E-473)	535.105	n	(P-15340/92; A-3042)
1210.180	am	(P-3734)	2650.10	am	(P-2449)	100.7010	am	(P-222) (E-473)	535.110	n	(P-15340/92; A-3042)
1220.10	am	(P-3755)	2650.15	am	(P-2449)	105.100	n	(P-219) (E-445)	535.115	n	(P-15340/92; A-3042)
1220.30	am	(P-3755)	2650.25	am	(P-2449)	105.100	n	(P-219) (E-445)	535.120	n	(P-15340/92; A-3042)
1220.40	am	(P-3755)	2650.30	am	(P-2449)	105.110	n	(P-219) (E-445)	535.125	n	(P-15340/92; A-3042)
1220.50	am	(P-3755)	2650.40	n	(P-2449)	105.120	n	(P-219) (E-445)	535.130	n	(P-15340/92; A-3042)
1220.60	am	(P-3755)	2650.50	n	(P-2449)	105.200	n	(P-219) (E-445)	535.135	n	(P-15340/92; A-3042)
1220.70	am	(P-3755)	2650.60	n	(P-2449)	105.210	n	(P-219) (E-445)	535.140	n	(P-15340/92; A-3042)
1220.80	am	(P-3755)	2650.70	n	(P-2449)	105.220	n	(P-219) (E-445)	535.145	n	(P-15340/92; A-3042)
1220.90	n	(P-3755)	TITLE 89						535.145	n	(P-15340/92; A-3042)
1220.100	n	(P-3755)	105.230	n	(P-219) (E-445)	105.300	n	(P-219) (E-445)	TITLE 89		
1230.10	am	(P-3718)	105.310	n	(P-219) (E-445)	105.310	n	(P-219) (E-445)	103.25	n	(P-14178/92; A-655)
1230.80	am	(P-3718)	105.320	n	(P-219) (E-445)	105.320	n	(P-219) (E-445)	103.35	n	(P-14178/92; A-655)
1230.90	am	(P-3718)	105.330	n	(P-219) (E-445)	105.330	n	(P-219) (E-445)	104.216	am	(P-540) (E-659)
1230.150	am	(P-3718)	105.340	n	(P-219) (E-445)	105.340	n	(P-219) (E-445)	110.30	am	(P-13207/92; A-640)
1230.160	am	(P-3718)	105.400	n	(P-219) (E-445)	105.400	n	(P-219) (E-445)	111.101	am	(P-16491/92; A-3213)

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144.250 am	(P-2477)	149.140 n	(P-14535/92; A-3217)
147.5 am	(P-1716)	149.150 am	(P-14535/92; A-3217)
147.25 am	(P-5471)	160.1 am	(P-3820)
147.50 am	(P-5471)	160.5 am	(P-3820)
147.150 am	(P-13215/92; A-1128)	160.15 n	(P-3820)
	(P-5471)	160.77 n	(P-3820)
147.205 am	(P-13215/92; A-1128)	160.85 n	(P-8892/92; A-2272)
147.7b.A am	(P-5471)	165.70 am	(P-2110)
147.7b.B am	(P-5471)	220.625 am	(P-883) (E-1179)
147.7b.C am	(P-1716)	220.635 am	(P-883) (E-1179)
147.7b.D am	(P-5471)	240.729 n	(P-12251/92; A-224)
147.7b.E am	(P-5471)	302.20 am	(P-7565/92; A-274)
147.7b.F am	(P-1716)	302.310 am	(P-2460) (E-2513)
147.7b.G r	(P-5471)	304.2 am	(P-7545/92; A-251)
148.25 n	(P-14540/92; A-3296)	309.1 r	(P-7982/92; A-1044)
148.30 am	(P-14540/92; A-3296)	309.2 r	(P-7982/92; A-1044)
148.40 am	(P-14540/92; A-3296)	309.3 r	(P-7982/92; A-1044)
148.50 am	(P-14540/92; A-3296)	309.4 r	(P-7982/92; A-1044)
148.60 am	(P-14540/92; A-3296)	309.5 r	(P-7982/92; A-1044)
148.70 am	(P-14540/92; A-3296)	309.6 r	(P-7982/92; A-1044)
148.80 am	(P-10868/92; A-131)	309.7 r	(P-7982/92; A-1044)
148.120 am	(P-14540/92; A-3296)	309.8 r	(P-7982/92; A-1044)
148.130 am	(P-14540/92; A-3296)	309.9 r	(P-7982/92; A-1044)
148.140 am	(P-14540/92; A-3296)	309.10 r	(P-7982/92; A-1044)
148.150 am	(P-14540/92; A-3296)	309.11 r	(P-7982/92; A-1044)
148.160 am	(P-14540/92; A-3296)	309.12 r	(P-7982/92; A-1044)
148.170 am	(P-14540/92; A-3296)	309.13 r	(P-7982/92; A-1044)
148.180 am	(P-14540/92; A-3296)	309.14 r	(P-7982/92; A-1044)
148.190 am	(P-14540/92; A-3296)	309.15 r	(P-7982/92; A-1044)
148.200 am	(P-14540/92; A-3296)	309.16 r	(P-7982/92; A-1044)
148.210 am	(P-14540/92; A-3296)	309.17 r	(P-7982/92; A-1044)
148.220 am	(P-14540/92; A-3296)	309.18 r	(P-7982/92; A-1044)
148.230 am	(P-14540/92; A-3296)	309.19 r	(P-7982/92; A-1044)
148.240 am	(P-14540/92; A-3296)	309.20 r	(P-7982/92; A-1044)
148.250 am	(P-14540/92; A-3296)	309.21 r	(P-7982/92; A-1044)
148.260 am	(P-14540/92; A-3296)	309.22 r	(P-7982/92; A-1044)
148.270 am	(P-14540/92; A-3296)	309.23 r	(P-7982/92; A-1044)
148.280 am	(P-14540/92; A-3296)	330.5 am	(P-1259)
148.290 am	(P-14540/92; A-3296)	330.6 am	(P-1259)
148.310 am	(P-14540/92; A-3296)	336.10 n	(P-7963/92; A-1026)
148.320 am	(P-14540/92; A-3296)	336.20 n	(P-7963/92; A-1026)
149.10 n	(P-14535/92; A-3217)	336.30 n	(P-7963/92; A-1026)
149.25 am	(P-14535/92; A-3217)	336.40 n	(P-7963/92; A-1026)
149.50 am	(P-14535/92; A-3217)	336.50 n	(P-7963/92; A-1026)
149.75 am	(P-14535/92; A-3217)	336.60 n	(P-7963/92; A-1026)
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121.3 am	(P-13385/92; A-644)	121.3 am	(P-15813/92; A-4333)
121.23 r	(P-15813/92; A-4333)	121.23 r	(P-15813/92; A-4333)
121.24 r	(P-15813/92; A-4333)	121.24 r	(P-15813/92; A-4333)
121.25 r	(P-15813/92; A-4333)	121.25 r	(P-15813/92; A-4333)
121.26 r	(P-15813/92; A-4333)	121.26 r	(P-15813/92; A-4333)
121.27 r	(P-15813/92; A-4333)	121.27 r	(P-15813/92; A-4333)
121.28 r	(P-15813/92; A-4333)	121.28 r	(P-15813/92; A-4333)
121.29 r	(P-15813/92; A-4333)	121.29 r	(P-15813/92; A-4333)
121.41 am	(P-13385/92; A-644)	121.41 am	(P-13385/92; A-644)
121.59 am	(P-13385/92; A-644)	121.59 am	(P-13385/92; A-644)
121.76 n	(P-13385/92; A-644)	121.76 n	(P-13385/92; A-644)
121.160 n	(P-15813/92; A-4333)	121.160 n	(P-15813/92; A-4333)
121.162 n	(P-15813/92; A-4333)	121.162 n	(P-15813/92; A-4333)
121.164 n	(P-15813/92; A-4333)	121.164 n	(P-15813/92; A-4333)
121.166 n	(P-15813/92; A-4333)	121.166 n	(P-15813/92; A-4333)
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121.174 n	(P-15813/92; A-4333)	121.174 n	(P-15813/92; A-4333)
121.176 n	(P-15813/92; A-4333)	121.176 n	(P-15813/92; A-4333)
121.178 n	(P-15813/92; A-4333)	121.178 n	(P-15813/92; A-4333)
121.180 n	(P-15813/92; A-4333)	121.180 n	(P-15813/92; A-4333)
121.182 n	(P-15813/92; A-4333)	121.182 n	(P-15813/92; A-4333)
121.184 n	(P-15813/92; A-4333)	121.184 n	(P-15813/92; A-4333)
121.186 n	(P-15813/92; A-4333)	121.186 n	(P-15813/92; A-4333)
121.188 n	(P-15813/92; A-4333)	121.188 n	(P-15813/92; A-4333)
121.190 n	(P-15813/92; A-4333)	121.190 n	(P-15813/92; A-4333)
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140.82 n	(P-15019/92; A-3421)	140.82 n	(P-15019/92; A-3421)
140.84 n	(P-15019/92; A-3421)	140.84 n	(P-15019/92; A-3421)
140.94 am	(P-15019/92; A-3421)	140.94 am	(P-15019/92; A-3421)
140.95 am	(P-15019/92; A-3421)	140.95 am	(P-15019/92; A-3421)
140.492 am	(P-13397/92; O-1241)	140.492 am	(P-13397/92; O-1241)
	R-2436; A-2290; F-3058)		R-2436; A-2290; F-3058)
140.525 am	(P-13211/92; A-837)	140.525 am	(P-13211/92; A-837)
140.538 am	(P-13211/92; A-837)	140.538 am	(P-13211/92; A-837)
140.579 am	(P-12838/92; A-19146/92; RQ-4517)	140.579 am	(P-12838/92; A-19146/92; RQ-4517)
140.700 am	(P-7576/92; A-1112)	140.700 am	(P-7576/92; A-1112)
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336.90	n	(P-7963/92; A-1026)	505.80	am	(P-1731)
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337.170	n	(P-7999/92; A-1046)	1200.70	am	(P-15354/92; A-1137)
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